

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Michael Butler Examiner #: 74655 Date: 5/29/98  
Art Unit: 3653 Phone Number 30 88344 Serial Number: 091-776395  
Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species of structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Intefelde Disperser of Napkins  
Inventors (please provide full names): John Richard Shevret Alpharetta, GA;  
Michael Yunah Chen, Alpharetta, GA.  
Earliest Priority Filing Date: 6/29/98

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

See Attached

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Tamie Tobi</u>	NA Sequence (#) _____	STN: _____
Searcher Phone #: <u>306-5767</u>	AA Sequence (#) _____	<u>Dialog</u>
Searcher Location: <u>PK5 804</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>5/3</u>	Bibliographic <u>X</u>	Dr. Link _____
Date Completed: <u>5/31</u>	Litigation _____	<u>Lexis/Nexis</u>
Searcher Prep & Review Time: <u>25</u>	Fulltext <u>X</u>	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	<u>WWW/Internet</u>
Online Time: <u>120</u>	Other _____	Other (specify) _____

09/776395

Inventors: SKERRETT, JOHN RICHARD, ALPHARETTA GEORGIA

CHAN, MICHAEL YUWAH ALPHARETTA GEORGIA David C. Sudulcan-

Assignee: Kimberly-Clark

Filed: 2/2/01

Oldest priority: 6/29/98 (this case is a divisional of US PAT 6213346)

Invention:

A napkin assembly for a napkin dispenser wherein the napkins are folded in an offset relationship such that each napkin is created wherein the napkin assembly for dispenser has sheets of equal length and tabs interconnecting the sheets positioned at the side of the assembly stack.

File 344:CHINESE PATENTS ABS APR 1985-2002/APR  
(c) 2002 EUROPEAN PATENT OFFICE  
File 347:JAPIO Oct/1976-2001/Dec(Updated 020503)  
(c) 2002 JPO & JAPIO  
File 350:Derwent WPIX 1963-2001/UD,UM &UP=200234  
(c) 2002 Thomson Derwent  
File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	155	(NAPKIN?) (5N) (DISPENS? OR DISTRIBUT? OR DELIVER? OR CONTAI- NER? OR HOLDER?)
S2	437549	NEST OR NESTED OR NESTING OR STACK? OR OFFSET? OR INTERSPE- RS? OR INTERCONNECT? OR INTERFOLD? OR INTER() FOLD?
S3	156057	PERFORAT? OR TEAR OR TEARS OR TORN OR TEARING OR (FOLD OR - FOLDED OR FOLDING) () (CUT OR CUTS)
S4	47011	TAB OR TABS
S5	4	INDIVIDUAL() NAPKINS
S6	213945	FOLD OR FOLDS OR FOLDED OR FOLDING
S7	249	PAPER() (TOWEL? OR PRODUCTS) (5N) DISPENSER?
S8	2056	BASIS() WEIGHT
S9	7799	(EQUAL OR IDENTICAL) () (LENGTH OR SIZE OR SIZING)
S10	1	S1 AND S2 AND S3
S11	26	S1 AND S2
S12	9	S11 AND (S4 OR S5 OR S6 OR S8 OR S9)
S13	8	S12 NOT S10
S14	19	S11/TI
S15	11	S14 NOT (S10 OR S12)
S16	6	S7 AND S2 AND S3
S17	6	S16 NOT (S10 OR S12 OR S14)
S18	6	AU='SKERRETT J R'
S19	32	AU='CHAN M Y'
S20	4	(S18 OR S19) AND (S1 OR S7)
S21	2	S20 NOT (S10 OR S12 OR S14 OR S16)
S22	2	(S1 OR S7) AND S8
S23	2	S22 NOT (S10 OR S12 OR S14 OR S16 OR S20)
S24	1	S1 AND S2 AND S4
S25	0	S24 NOT (S10 OR S12 OR S14 OR S16 OR S20 OR S22)

10/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012723758 \*\*Image available\*\*  
WPI Acc No: 1999-529871/199945  
XRPX Acc No: N99-392700

**Single-use disposable single ply paper napkin folded only in transverse direction for dispensing from paper package in dispenser**

Patent Assignee: FORT JAMES CORP (JAME )  
Inventor: BURRIER B E; GOODING C W; YARDLEY C D  
Number of Countries: 027 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 945092	A2	19990929	EP 99302398	A	19990329	199945 B
CA 2266097	A1	19990927	CA 2266097	A	19990317	200009
US 6306480	B1	20011023	US 9849103	A	19980327	200165

Priority Applications (No Type Date): US 9849103 A 19980327

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 945092	A2	E	20	A47G-011/00	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT					
LI LT LU LV MC MK NL PT RO SE SI					
CA 2266097	A1	E		A47K-010/24	
US 6306480	B1			B32B-003/04	

Abstract (Basic): EP 945092 A2

NOVELTY - The single ply paper napkin has a longitudinal to transverse aspect ratio of 1.7-1, without longitudinal folds but folded transversely in half then in half again forming four equal sized panels.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(a) a paper **napkin dispenser** comprising a housing with an opening for **dispensing** folded single ply paper **napkins** from a packet containing a number of napkins oriented in the same direction **stacked** on top of another wrapped in paper or poly wrap; and

(b) the production of the above napkin comprising providing a single paper sheet and folding it in the transverse direction twice forming four equal panels.

USE - As a paper napkin particularly for customer use in fast food outlets.

ADVANTAGE - Replaces twin ply napkins in present use by a single ply which requires less production time providing economic savings to the end user. The folded **napkin** permits **dispensing** without **tearing**

DESCRIPTION OF DRAWING(S) - The drawing shows an end view of a folded napkin.

pp; 20 DwgNo 1/9

Title Terms: SINGLE; DISPOSABLE; SINGLE; PLY; PAPER; NAPKIN; FOLD;

TRANSVERSE; DIRECTION; DISPENSE; PAPER; PACKAGE; DISPENSE

Derwent Class: P27; P28; P32; P73

International Patent Class (Main): A47G-011/00; A47K-010/24; B32B-003/04

International Patent Class (Additional): A61F-013/15

File Segment: EngPI

13/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013651652 \*\*Image available\*\*

WPI Acc No: 2001-135864/200114

XRPX Acc No: N01-098767

Napkin holder

Patent Assignee: VOLKOV V V (VOLK-I)

Inventor: VOLKOV V V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RU 2159068	C1	20001120	RU 99121939	A	19991019	200114 B

Priority Applications (No Type Date): RU 99121939 A 19991019

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
RU 2159068	C1		A47G-021/16	

Abstract (Basic): RU 2159068 C1

NOVELTY - **Napkin holder** has pole-type support with base and napkin carrying member fixed on support. Napkin carrying member is formed as triangle or cone mounted so that its top is oriented upward, with shape of carrying member coinciding with shape of bell-shaped **stack** containing set of napkins **folded** in four or in three and inserted one into the other.

USE - Household facilities.

ADVANTAGE - Simplified construction and convenient usage for table serving. 2 dwg

pp; 0 DwgNo 1/1

Title Terms: NAPKIN; HOLD

Derwent Class: P27

International Patent Class (Main): A47G-021/16

File Segment: EngPI

13/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

012089509 \*\*Image available\*\*

WPI Acc No: 1998-506420/199843

Related WPI Acc No: 1998-427481; 1999-405339

XRPX Acc No: N98-394776

**System for dispensing individual folded webs from a stack - where folds form a thick area across the central portion of the stack facing a dispensing slot in the centre of the protruding end of a polygonal cross sectioned dispenser.**

Patent Assignee: KIMBERLY-CLARK WORLDWIDE INC (KIMB )

Inventor: CHAN M Y; TRAMONTINA P F

Number of Countries: 081 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9840002	A1	19980917	WO 98US1707	A	19980129	199843 B
ZA 9800372	A	19980930	ZA 98372	A	19980116	199844
AU 9860491	A	19980929	AU 9860491	A	19980129	199906
EP 967909	A1	20000105	EP 98903821	A	19980129	200006
			WO 98US1707	A	19980129	
CN 1250358	A	20000412	CN 98803313	A	19980129	200035
BR 9814242	A	20001003	BR 9814242	A	19980129	200053
			WO 98US1707	A	19980129	
MX 9908074	A1	19991101	MX 998074	A	19990902	200106

AU 730342	B	20010308	AU 9860491	A	19980129	200119
KR 2000076165	A	20001226	WO 98US1707	A	19980129	200134
			KR 99708256	A	19990911	
US 6286713	B1	20010911	US 97816288	A	19970313	200154
JP 2001514555	W	20010911	JP 98539556	A	19980129	200167
			WO 98US1707	A	19980129	

Priority Applications (No Type Date): US 97816288 A 19970313

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9840002	A1	E	15	A47K-010/42	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE  
IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

ZA 9800372	A	22	A47K-000/00	
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AU 9860491	A			Based on patent WO 9840002
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EP 967909	A1	E		Based on patent WO 9840002
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Designated States (Regional): BE DE ES FR GB IT NL SE

CN 1250358	A		A47K-010/42	
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BR 9814242	A		A47K-010/42	Based on patent WO 9840002
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MX 9908074	A1		A47K-010/42	
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AU 730342	B		A47K-010/42	Previous Publ. patent AU 9860491
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Based on patent WO 9840002

KR 2000076165	A		A47K-010/42	Based on patent WO 9840002
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US 6286713	B1		A47K-010/24	
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JP 2001514555	W	27	A47K-010/42	Based on patent WO 9840002
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Abstract (Basic): WO 9840002 A

Dispenser(32)having internal **stacking** means has dispensing throat(44)positioned in the centre of dispensing face(40)defined by outward projecting upper and lower surfaces(54:56),the throat having recesses(60)which contact the **stack** of individual **folded** webs,the **folds** forming a central area of increased thickness across the web so aligned that the thicker area extends across the width of the dispensing throat. The webs so **folded** that second and third panels **fold** either side of a first,central panel and fourth and fifth panels **fold** between the second and first,and third and first panels respectively and the portion of third and fifth panels which overlap a portion of the second and fourth form the thicker area.

USE - **Dispensing paper napkins** in fast food outlets and the like.

ADVANTAGE - Provides simple one at a time dispensing preventing the removal of clumps of napkins at a time as experienced in prior art.

Dwg.5/12

Title Terms: SYSTEM; DISPENSE; INDIVIDUAL; **FOLD** ; WEB; **STACK** ; **FOLD** ;  
FORM; THICK; AREA; CENTRAL; PORTION; **STACK** ; FACE; DISPENSE; SLOT;  
CENTRE; PROTRUDE; END; POLYGONAL; CROSS; SECTION; DISPENSE

Derwent Class: P28; Q36

International Patent Class (Main): A47K-000/00; A47K-010/24; A47K-010/42

International Patent Class (Additional): A47K-010/44; B65H-001/00

File Segment: EngPI

13/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011600136 \*\*Image available\*\*

WPI Acc No: 1998-017264/199802

XRPX Acc No: N98-013181

Folded paper napkin - has four paper sheet panels interconnected by fold lines, and grasping tab to retrieve paper napkin from it whether paper napkin is positioned frontward or backwards in dispenser

Patent Assignee: JAMES RIVER CORP VIRGINIA (JAME )

Inventor: GOODING C W; MEAD M J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5690250	A	19971125	US 96611212	A	19960305	199802 B

Priority Applications (No Type Date): US 96611212 A 19960305

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5690250	A		5 A47K-010/24	

Abstract (Basic): US 5690250 A

The **folded** sheet product comprises four rectangular-shaped sheet panels (18,26,30,40). The first sheet panel is defined by a first sheet panel free edge (20) and a first **fold** line (22) spaced from the first sheet panel free edge and parallel to it. The first sheet panel free edge is located a distance from the first **fold** line. The second sheet panel is integral with the first sheet panel, adjoining the first sheet panel, and in registry with the first sheet panel. The second sheet panel is defined by the first **fold** line and a second **fold** line (28) parallel to the first **fold** line and spaced from it a distance equal to the distance between the first **fold** line and the first sheet panel free edge. The first sheet panel free edge and the second **fold** line are in registry.

The third sheet panel integral with the second sheet panel, adjoining the second sheet panel, extends between the first sheet panel and the second sheet panel and in face-to-face engagement with the second sheet panel. The third sheet panel is defined by the second **fold** line and a third **fold** line (34) parallel to the second **fold** line and spaced from it. The fourth sheet panel integral with the third sheet panel, adjoining the third sheet panel, is positioned between the first and third sheet panels, and in face-to-face engagement with them. The fourth sheet panel is defined by the third **fold** line and a fourth sheet panel free edge (42) parallel to the third **fold** line. The fourth sheet panel free edge and an adjoining portion of the fourth sheet panel project beyond the first sheet panel free edge and beyond the second **fold** line.

USE - For **dispensing** from a paper napkin dispenser having a **dispenser** opening.

ADVANTAGE - Allows for proper **dispensing** of **folded** paper napkin from and through **dispenser** opening regardless of whether **folded** paper napkin is oriented ''frontwards'' or ''backwards'' within dispenser interior.

Dwg.6/7

Title Terms: **FOLD** ; PAPER; NAPKIN; FOUR; PAPER; SHEET; PANEL;  
**INTERCONNECT** ; **FOLD** ; LINE; GRASP; **TAB** ; RETRIEVAL; PAPER; NAPKIN;  
PAPER; NAPKIN; POSITION; FRONT; BACKWARD; DISPENSE

Derwent Class: P28

International Patent Class (Main): A47K-010/24

File Segment: EngPI

13/5/4 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008960801

WPI Acc No: 1992-088070/199211

Related WPI Acc No: 1992-131157; 1992-140714; 1992-372702

XRPX Acc No: N92-066089

**Nose piece for folded sheet product dispenser - includes two pairs of contact elements at different planes whereby napkin prior to dispensing is subjected to two bending steps**

Patent Assignee: JAMES RIVER PAPER CO INC (JAME ); JAMES RIVER II INC (JAME )

Inventor: MCGREGOR J T; PETTERSON T; MCG

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5090592	A	19920225	US 91667962	A	19910312	199211 B
CA 2062594	C	19980922	CA 2062594	A	19920310	199848

Priority Applications (No Type Date): US 91667962 A 19910312; US 91667861 A 19910312; US 91668083 A 19910312

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5090592	A		9		
CA 2062594	C			A47K-010/42	

Abstract (Basic): US 5090592 A

The system is for serially dispensing discrete **folded** sheet products from a **stack** through an opening in a nose piece. The nose piece includes two pairs of contact elements disposed at different planes whereby the **napkin** prior to **dispensing** is subjected to two sequential bending steps with the bends being formed at right angles angles to one another.

During the bending steps a flap terminal end is unsupported by the nose piece over the central portion of the flap terminal end and the bending of the **folded** sheet product urges the flap terminal end outwardly of the rest of the product to facilitate grasping and removal.

ADVANTAGE - Has a structure which cooperates in a unique manner to permit withdrawal of a paper napkin or other **folded** sheet product from and through the nose piece without undue friction being imparted to the dispensed product.

Dwg.1/9

Title Terms: NOSE; PIECE; **FOLD** ; SHEET; PRODUCT; DISPENSE; TWO; PAIR; CONTACT; ELEMENT; PLANE; NAPKIN; PRIOR; DISPENSE; SUBJECT; TWO; BEND; STEP

Derwent Class: P28; Q36

International Patent Class (Main): A47K-010/42

International Patent Class (Additional): B65H-001/00

File Segment: EngPI

**13/5/5 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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007954701 \*\*Image available\*\*

WPI Acc No: 1989-219813/198930

XRPX Acc No: N89-167487

**Napkin dispenser e.g. for restaurant - with pair of locks on rear of drawer to push plate forward when drawer is opened**

Patent Assignee: TRAEX CORP (TRAE-N)

Inventor: SALZMANN F F; WENKMAN G J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4838454	A	19890613	US 87115116	A	19871102	198930 B

Priority Applications (No Type Date): US 87115116 A 19871102

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 4838454 A 14

Abstract (Basic): US 4838454 A

A **napkin dispenser** includes a drawer which slides in and out of a housing. A push plate also slides in the housing and is spring biased to push the napkins forward. A pair of locks on the rear of the drawer in the pref. **napkin dispenser** push the plate forward when the drawer is open but pivot to release the push plate when the drawer is closed so that the napkins are not pressed too tightly, even if napkins are overloaded in the drawer when it is open.

A pair of locks on the push plate in the alternative **napkin dispenser** push the plate forward when the drawer is open but pivot to release the push plate when the drawer is closed.

USE - **Dispenser** for **stack** of **folded napkins** , e.g. on the counter of a lunchroom or restaurant.

4/12

Title Terms: NAPKIN; DISPENSE; RESTAURANT; PAIR; LOCK; REAR; DRAWER; PUSH; PLATE; FORWARD; DRAWER; OPEN  
Derwent Class: P27; Q36  
International Patent Class (Additional): A47G-021/16; B65H-001/02  
File Segment: EngPI

13/5/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003261196

WPI Acc No: 1982-B2407E/198205

**Large capacity** napkin dispenser - has springs with various **compression rates** ensuring max. pressure when pressure plate is fully loaded with napkins

Patent Assignee: GRIFFITH-HOPE CO (GRIF-N)  
Inventor: FILIPOWICZ E A; HOPE S N  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4311252	A	19820119				198205 B

Priority Applications (No Type Date): US 7956782 A 19790711

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 4311252 A 8

Abstract (Basic): US 4311252 A

The elevator-type **napkin dispenser** comprises an elongated supporting cage composed of a series of spaced rod-like vertical supports. A **stack** of **folded** napkins is supported on a pressure plate that is mounted on a carriage adapted to slide vertically within the cage. The pressure plate is supported from the carriage by a number of compression springs which enable the pressure plate to float and accommodate the varying thickness of the **stack** of **folded** napkins.

A cover is mounted on the upper end of the cage and has an opening through which the **napkins** are **dispensed** . The pressure plate and **stack** of napkins are urged upwardly toward the undersurface of the cover by a biasing mechanism that includes a pair of extension springs. The springs have a varying spring rate so that the force of the springs will be greatest when the pressure plate is fully loaded with napkins.

2

Title Terms: CAPACITY; NAPKIN; DISPENSE; SPRING; VARIOUS; COMPRESS; RATE; ENSURE; MAXIMUM; PRESSURE; PRESSURE; PLATE; LOAD; NAPKIN

Derwent Class: Q36  
International Patent Class (Additional): B65H-001/12  
File Segment: EngPI

13/5/7 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003111676

WPI Acc No: 1981-M1725D/198147

**Adjustable holder for stack of napkins - has base supporting four retaining members consisting of pieces of wire bent into U-shape**

Patent Assignee: GRIFFITH-HOPE CO (GRIF-N)

Inventor: FILIPOWICZ E A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4298126	A	19811103				198147 B

Priority Applications (No Type Date): US 7969785 A 19790827

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4298126	A	5		

Abstract (Basic): US 4298126 A

The adjustable holder includes a base to support a **stack** of articles, such as **folded** napkins. Retaining members are connected to the sides of the base and define a compartment within which the articles are retained. Each retaining member includes a horizontal section which is disposed beneath the base and a vertical section.

A locking member is mounted on the undersurface of the base and is engaged with the horizontal section of each retaining member. Each locking member is composed of a pair of diverging arms having aligned openings to receive the horizontal section of the retaining member.

.1

Title Terms: ADJUST; HOLD; **STACK** ; NAPKIN; BASE; SUPPORT; FOUR; RETAIN; MEMBER; CONSIST; PIECE; WIRE; BEND; U-SHAPED

Derwent Class: P27

International Patent Class (Additional): A47F-007/00

File Segment: EngPI

13/5/8 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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001874838

WPI Acc No: 1978-A4066A/197802

**Folded paper napkin dispenser - has ejector engaging folds of depending napkin flap under first ledge to project it through opening in housing**

Patent Assignee: MERILA J B (MERI-I)

Inventor: MERILA J B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4065028	A	19771227				197802 B

Priority Applications (No Type Date): US 76693004 A 19760604

Abstract (Basic): US 4065028 A

Napkins are **folded** to a rectangular form, the final **fold**

producing two flaps extending unequally from the **fold** line, the **napkins** being **stacked** in the **dispenser** with their shorter flaps lowermost and all extending in the same direction. The dispenser has a pair of parallel, spaced support ledges, the first ledge supporting the **stack** at its **fold** edge, and the second supporting the **stack** at its opposite edge. The shorter flaps do not extend to second support ledge.

The shorter flap of the lowermost napkin hangs downwardly between the ledges by gravity. An ejector is horizontally reciprocable in the housing beneath the ledges in a direction normal to the ledges

Title Terms: **FOLD** ; PAPER; NAPKIN; DISPENSE; EJECT; ENGAGE; **FOLD** ; DEPEND ; NAPKIN; FLAP; FIRST; LEDGE; PROJECT; THROUGH; OPEN; HOUSING

Derwent Class: Q36

International Patent Class (Additional): B65H-001/06; B65H-003/26

File Segment: EngPI

15/5/1 (Item 1 from file: 344)  
DIALOG(R) File 344:CHINESE PATENTS ABS  
(c) 2002 EUROPEAN PATENT OFFICE. All rts. reserv.

4208665

**INTERFOLDED NAPKIN DISPENSING SYSTEM**

Patent Assignee: KIMBERLY CLARK CO (US)  
Author (Inventor): M. Y. CHAN (US); P> F. TRAMONTINA (US)  
Number of Patents: 040  
Patent Family:

CC Number	Kind	Date	
CN 1238666	A	19991215	(Basic)
AL 9822009	W1	19980528	
AM 9822009	W1	19980528	
AP 9822009	W1	19980528	
AT 9822009	W1	19980528	
AU 5509598	A1	19980610	
AZ 9822009	W1	19980528	
BA 9822009	W1	19980528	
BB 9822009	W1	19980528	
BE 939597	R1	19990908	
BG 9822009	W1	19980528	
BR 9713282	A	19991103	
BY 9822009	W1	19980528	
CA 9822009	W1	19980528	
CH 9822009	W1	19980528	
CN 9822009	W1	19980528	
CU 9822009	W1	19980528	
CZ 9822009	W1	19980528	
DE 939597	R1	19990908	
DK 9822009	W1	19980528	
EE 9822009	W1	19980528	
EP 939597	A1	19990908	
ES 939597	R1	19990908	
FI 9822009	W1	19980528	
FR 939597	R1	19990908	
GB 939597	R1	19990908	
GE 9822009	W1	19980528	
GH 9822009	W1	19980528	
GR 939597	R1	19990908	
HU 9822009	W1	19980528	
ID 9822009	W1	19980528	
IL 9822009	W1	19980528	
IS 9822009	W1	19980528	
IT 939597	R1	19990908	
JP 9822009	W1	19980528	
KE 9822009	W1	19980528	
KG 9822009	W1	19980528	
KP 9822009	W1	19980528	
KR 9822009	W1	19980528	
KZ 9822009	W1	19980528	
LC 9822009	W1	19980528	

Application Data:

CC Number	Kind	Date
*US 755435	A	19961122
CN 97199976	A	19971121

IPC: A47K-010/42; A47K-010/44

15/5/2 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012010571      \*\*Image available\*\*

WPI Acc No: 1998-427481/199836

Related WPT Acc No: 1998-506420; 1999-405339

XRPX Acc No: N98-333706

Interfold napkin dispensing system - has dispensing throat composed of a slot portion having a length sufficient to permit a paper napkin to be pulled through by a user, but relatively narrow width that prevents more than a few napkins from being pulled out

Patent Assignee: KIMBERLY-CLARK WORLDWIDE INC (KIMB )

Inventor: CHAN M Y; TRAMONTINA P F

Number of Countries: 079 Number of Patents: 013

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9822009	A1	19980528	WO 97US21373	A	19971121	199836	B
ZA 9710303	A	19980826	ZA 9710303	A	19971114	199840	
AU 9855095	A	19980610	AU 9855095	A	19971121	199843	
EP 939597	A1	19990908	EP 97951457	A	19971121	199941	
			WO 97US21373	A	19971121		
BR 9713282	A	19991103	BR 9713282	A	19971121	200010	
			WO 97US21373	A	19971121		
CN 1238666	A	19991215	CN 97199976	A	19971121	200017	
SK 9900675	A3	20000214	WO 97US21373	A	19971121	200020	
			SK 99675	A	19971121		
CZ 9901780	A3	20000517	WO 97US21373	A	19971121	200031	
			CZ 991780	A	19971121		
HU 200000269	A2	20000628	WO 97US21373	A	19971121	200039	
			HU 2000269	A	19971121		
MX 9904377	A1	19990901	MX 994377	A	19990512	200067	
JP 2001504731	W	20010410	WO 97US21373	A	19971121	200128	
			JP 98523928	A	19971121		
KR 2000069091	A	20001125	WO 97US21373	A	19971121	200130	
			KR 99704546	A	19990521		
AU 735226	B	20010705	AU 9855095	A	19971121	200143	

Priority Applications (No Type Date): US 96755435 A 19961122

### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9822009 A1 E 16 A47K-010/42

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
KE LS LU MC MW NL OA PT SD SE SZ UG ZW

ZA 9710303      A      13 B65H-000/00

AU 9855095      A      Based on patent WO 9822009

EP 939597      A1 E      Based on patent WO 9822009

Designated States (Regional): BE DE ES FR GB GR IT NL PT SE

BR 9713282      A      Based on patent WO 9822009

CN 1238666 A A47K-010/42

SK 9900675      A3      A47K-010/42

CZ 9901780 A3 A47K-010/42

HU 2000000269 A2 A47K-010/42

MX 9904377 A1 A47K-010/42

JP 2001504731 W 17 A47K-010/42

KB 2000069091 A A47K-010/42

AU 735226 B A47K-010/42

Previous Publ. patent AU 9855095

Based on patent WO 9822009

Abstract (Basic): WO 9822009 A

The dispensing system comprises an outer housing (12) defining an interior space (14), and a stacking member (16) mounted within the outer housing for holding a stack of paper napkins (18) within the

interior space. There is a dispensing face (20) defined in the outer housing proximate to an end of the stacking means, the dispensing face having a central portion (22) projecting out from the dispenser and a dispensing throat (24) located in the central portion. The dispensing throat comprises a slot portion (26) having a length sufficient to permit a paper napkin to be pulled through by a user, but a relatively narrow width that prevents more than a few napkins from being pulled through a throat at one time. The dispensing throat further comprises a finger access portion (28) to help a user grip and pull a paper napkin through the dispensing slot despite the relatively narrow width of the dispensing slot.

The stacking member comprises a staging area proximate the dispensing throat for spacing and slowing napkins as they approach the dispensing throat.

The staging area comprises at least two curved bumpers oriented so as to be parallel to the path of travel of the napkins as they approach the dispensing throat, and a number of ribs defined on the bumpers for temporarily arresting movement of the napkins as they approach the dispensing throat.

ADVANTAGE - Will deter and resist wasteful dispensing.

Dwg.1,2/5

Title Terms: NAPKIN; DISPENSE; SYSTEM; DISPENSE; THROAT; COMPOSE; SLOT; PORTION; LENGTH; SUFFICIENT; PERMIT; PAPER; NAPKIN; PULL; THROUGH; USER; RELATIVELY; NARROW; WIDTH; PREVENT; MORE; NAPKIN; PULL

Derwent Class: P28

International Patent Class (Main): A47K-010/42; B65H-000/00

International Patent Class (Additional): A47G-000/00; A47K-010/44

File Segment: EngPI

15/5/3 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010343341 \*\*Image available\*\*

WPI Acc No: 1995-245427/199532

XRPX Acc No: N95-190585

**Food service tray - includes moulded plastics tray having cup cavity, plate cavity, eating utensil cavity and napkin holder disposed on it**  
Patent Assignee: D'OLIVEIRA M (DOLI-I); MARQUES R (MARQ-I); PINHEIRO L (PINH-I)

Inventor: D'OLIVEIRA M; MARQUES R; PINHEIRO L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5429266	A	19950704	US 94257902	A	19940613	199532 B

Priority Applications (No Type Date): US 94257902 A 19940613

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5429266	A		8 A47G-019/03	

Abstract (Basic): US 5429266 A

The tray includes a moulded tray form comprising a moulded construction having a free form parametric outline, and a shallow cup positioning cavity moulded within the tray form. There is a shallow plate positioning cavity moulded within the tray form, the shallow plate positioning cavity comprising a bottom portion and a sidewall portion wherein the bottom portion has a concentric ribs disposed in it and the sidewall portion is of a cylindrical form including a slight taper.

There is an eating utensil holding cavity moulded within the tray form, the eating utensil holding cavity comprising an elongated utensil

stacking portion and a number of oppositely disposed finger access notches disposed in it. There is a napkin holding member moulded within the tray for comprising a bifurcated elongated member moulded in conjunction with the periphery of the tray form. There is also one thumb engaging socket moulded within the tray form.

ADVANTAGE - A new and improved food service tray which can be readily transported and used in indoor and outdoor meal serving situations.

Dwg.1/5

Title Terms: FOOD; SERVICE; TRAY; MOULD; PLASTICS; TRAY; CUP; CAVITY; PLATE ; CAVITY; EAT; UTENSIL; CAVITY; NAPKIN; HOLD; DISPOSABLE

Derwent Class: P27

International Patent Class (Main): A47G-019/03

File Segment: EngPI

15/5/4 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009812143 \*\*Image available\*\*

WPI Acc No: 1994-091998/199411

XRFX Acc No: N94-072053

Napkin holder for use in restaurants etc. - has freestanding base with spaced apart vertical wall members defining channel between for receipt of vertical stack of napkins

Patent Assignee: RUBBERMAID INC (RUBM )

Inventor: FEER D L

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5295590	A	19940322	US 92996778	A	19921223	199411 B
CA 2112334	A	19940624	CA 2112334	A	19931223	199433
JP 7303553	A	19951121	JP 93345473	A	19931222	199604

Priority Applications (No Type Date): US 92996778 A 19921223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5295590	A		9	A47F-007/00	
JP 7303553	A		5	A47G-021/16	
CA 2112334	A			A47K-010/24	

Abstract (Basic): US 5295590 A

A freestanding base and spaced apart, generally vertical opposed wall members extend upward from the base and defining a channel between. Each of the wall members comprises intersecting first and second wall panels, and the channel has channel portions which intersect to form an obtuse angle defined by the wall panels.

One of the wall members have opposite ends which lie in a vertical plane extending through the channel, with a median portion of the vertical plane being spaced apart a lateral distance from the intersection of the first and second wall panels of the opposite said wall members. A vertical sided channel portion, is open at opposite ends and with a width equivalent to the lateral distance extends between the opposite ends of the one wall member.

ADVANTAGE - Maintains a stack of napkins in a vertical orientation and keeping the remaining napkins so oriented after napkins are withdrawn from the stack.

Dwg.1/6

Title Terms: NAPKIN; HOLD; RESTAURANT; BASE; SPACE; APART; VERTICAL; WALL; MEMBER; DEFINE; CHANNEL; RECEIPT; VERTICAL; STACK; NAPKIN

Derwent Class: P27; P28

International Patent Class (Main): A47F-007/00; A47G-021/16; A47K-010/24

File Segment: EngPI

15/5/5 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009449083 \*\*Image available\*\*  
WPI Acc No: 1993-142608/199317  
XRPX Acc No: N93-108728

Holder for holding napkins - comprises two engageable parts with  
vertical walls defining inner space between  
Patent Assignee: HUTZLER MFG CO INC (HUTZ-N)  
Inventor: KOLANO W J; OPPERMAN L; PASINSKI I  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
US 5201428 A 19930413 US 89347334 A 19890503 199317 B

Priority Applications (No Type Date): US 89347334 A 19890503  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 5201428 A 6 A47F-005/00

Abstract (Basic): US 5201428 A

The napkin holder comprises first and second main parts engageable  
with one another. First and second vertical walls define an inner space  
between. First and second horizontal projections support a stack of  
napkins in the inner space.

Each first and second vertical wall has a lower surface. The first  
and second projections extend from the first and second walls,  
respectively, at a same predetermined distance from a respective lower  
surface.

USE - For holding napkins or similar household items.  
Dwg.4/5

Title Terms: HOLD; HOLD; NAPKIN; COMPRISE; TWO; ENGAGE; PART; VERTICAL;  
WALL; DEFINE; INNER; SPACE  
Derwent Class: P27  
International Patent Class (Main): A47F-005/00  
File Segment: EngPI

15/5/6 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009406312 \*\*Image available\*\*  
WPI Acc No: 1993-099822/199312  
XRPX Acc No: N93-075935

Napkin or drape holder - comprises first and second spring-like  
plastics members interconnected by integral plastics hinges  
Patent Assignee: LOKKEN O (LOKK-I)  
Inventor: LOKKEN O  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No Kind Date Applicat No Kind Date Week  
US 5191681 A 19930309 US 92849486 A 19920311 199312 B

Priority Applications (No Type Date): US 92849486 A 19920311  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 5191681 A 6 A45F-005/00

Abstract (Basic): US 5191681 A

The napkin- or drape holder in the form of a one-piece moulding comprises a spring-like first plastic member having a body portion terminating in opposed proximal ends. The body portion is shaped to fit around the human neck. It has a spring-like second plastic member having a body portion terminating in free ends. Each of the free ends are connected to the body portion of the first member by integral plastic hinges. The members have a normally open position in which they lie in planes oblique to one another and a closed position in which they are coplanar. The members are swingable about the hinges between these positions.

USE - Particularly by dentists or oral surgeons.

Dwg.1/5

Title Terms: NAPKIN; DRAPE; HOLD; COMPRISE; FIRST; SECOND; SPRING; PLASTICS  
; MEMBER; INTERCONNECT; INTEGRAL; PLASTICS; HINGE

Derwent Class: P24

International Patent Class (Main): A45F-005/00

File Segment: EngPI

15/5/7 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007548741 \*\*Image available\*\*

WPI Acc No: 1988-182673/198826

XRPX Acc No: N88-139598

**Sanitary napkin dispenser for home use - has tray movably mounted within wall-mounted receptacle and supporting napkin stack with bottom napkin aligned with front slot**

Patent Assignee: KOBECK R (KOB-E-I)

Inventor: KOBECK M; SPECTOR G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4750640	A	19880614	US 8749153	A	19870513	198826 B

Priority Applications (No Type Date): US 8749153 A 19870513

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4750640	A		4		

Abstract (Basic): US 4750640 A

The dispenser comprises an elongated receptacle having an open top and open bottom the receptacle mounted to a vertical flat surface. A tray is moveably disposed within the receptacle, the tray having an open top and a front slot near the bottom. Sanitary napkins are placed stacked within the tray the lowest of the sanitary napkins in alignment with the slot in the tray.

A lid is hinged to the top of the receptacle to open so as to allow placing of the sanitary napkins in it. A bottom door is spring biased closed to the bottom of the receptacle. The side wall of the receptacle moves the tray downwardly to open the bottom door, exposing the lowest of the sanitary napkins so as to be removed through the front slot of the tray.

USE /ADVANTAGE - A home sanitary napkin dispenser that allows easy access to one sanitary napkin at a time when the dispenser is activated by a person needing the sanitary napkin.

1/5

Title Terms: SANITARY; NAPKIN; DISPENSE; HOME; TRAY; MOVE; MOUNT; WALL;  
MOUNT; RECEPTACLE; SUPPORT; NAPKIN; STACK; BOTTOM; NAPKIN; ALIGN; FRONT;  
SLOT

Derwent Class: Q35

International Patent Class (Additional): B65G-059/06  
File Segment: EngPI

15/5/8 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007216252  
WPI Acc No: 1987-213261/198730  
XRPX Acc No: N87-159514

**Bunching prevention in paper napkin dispenser - with paired pressure relief rods along upper and lower parts of dispenser face plate**

Patent Assignee: GEORGIA PACIFIC CORP (GEOP )  
Inventor: DELUCA R F  
Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4679703	A	19870714	US 84585538	A	19840302	198730 B
CA 1243639	A	19881025				198847

Priority Applications (No Type Date): US 84585538 A 19840302

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4679703	A		12		

Abstract (Basic): US 4679703 A

The napkin dispenser has at least one face plate with an elongated dispensing opening and a pressure exerting part for urging a napkin stack with two opposed edges and a further edge perpendicular to the two opposed edges toward the face plate. The further edge is disposed adjacent the dispensing opening. A device prevents napkins from bunching at the dispensing opening when napkins are successively withdrawn from the dispenser, the device comprising a pressure relief device mounted adjacent the face plate to engage the napkin stack only along a length of the two opposed edges for reducing the level of pressure exerted by the face plate on the centre portion of the napkin stack.

The pressure relief device is positioned w.r.t. the face plate, the napkin stack and discharge opening such that when the further edge of a napkin is pulled from the discharge opening the edges of the napkin which form the two opposed edges of the napkin stack are progressively stripped from the pressure relief device simultaneously.

USE - For preventing napkins from bunching at a dispensing opening.  
1/19

Title Terms: BUNCH; PREVENT; PAPER; NAPKIN; DISPENSE; PAIR; PRESSURE;  
RELIEF; ROD; UPPER; LOWER; PART; DISPENSE; FACE; PLACE

Derwent Class: P28; Q36

International Patent Class (Additional): A47K-010/24; B65H-001/00  
File Segment: EngPI

15/5/9 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004191398  
WPI Acc No: 1985-018278/198503  
XRPX Acc No: N85-013230

**Napkin holder and dispenser - comprises upright container with mouth to receive empty holder and fresh supply of napkins**

Patent Assignee: TRINIDAD M A (TRIN-I)  
Inventor: TRINIDAD M A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4491242	A	19850101	US 82446370	A	19821202	198503 B

Priority Applications (No Type Date): US 82446370 A 19821202

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4491242	A		5		

Abstract (Basic): US 4491242 A

The lower edges of back and side walls is attached to a floor panel, the inner surface of the walls being shaped to receive and maintain in position an upright stack of napkins inserted through a top opening. A napkin dispensing opening is between the floor panel and at least one of the lower edges of the front wall, the opening being shaped and dimensioned such that an individual can readily remove a stack of napkins having a predetermined height.

A notch is formed in the floor of the container such that an individual may touch the underside of the bottom napkin of the stack in the container while permitting the bottom napkin to remain in fixed position w.r.t. the container. The notch permits a single napkin dispensing opening. At least one of the walls of the container includes a vertical aperture formed through it such that when a stack of napkins is being inserted in the container, an individual can maintain manual contact with the bottom of the stack.

1/5

Title Terms: NAPKIN; HOLD; DISPENSE; COMPRISE; UPRIGHT; CONTAINER; MOUTH; RECEIVE; EMPTY; HOLD; FRESH; SUPPLY; NAPKIN

Derwent Class: P28

International Patent Class (Additional): A47K-010/20

File Segment: EngPI

15/5/10 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002131290

WPI Acc No: 1979-F1222B/197923

Related WPI Acc No: 1978-K7095A

**Napkin holder and dispenser - includes plastic springs in respective halves of housing pivotally coupled together**

Patent Assignee: CAL PAK IND INC (CALP-N)

Inventor: PASTORE R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4155484	A	19790522				197923 B

Priority Applications (No Type Date): US 77839166 A 19771004

Abstract (Basic): US 4155484 A

The dispenser comprises two housing sections pivotally coupled by means of a hinge partially formed on the bottom surface of each housing. Each section contains a napkin accommodating hollow which interfaces with a dispensing aperture on a front wall of the housing. Located between the napkin accommodating hollow and the bottom wall of the housing is a cantilever platform which has two recesses.

The recesses of one housing are offset with respect to recesses contained in the associated housing on a similar platform. A plastic spring has two arcuate arms secured within recesses of one housing. A second plastic spring has two respective arms associated with the

recesses in the other housing. The springs move in a direction to urge the respective napkin stacks located in the hollows of the housing towards the dispensing aperture in a closed position.

Title Terms: NAPKIN; HOLD; DISPENSE; PLASTIC; SPRING; RESPECTIVE; HALVES; HOUSING; PIVOT; COUPLE  
Derwent Class: P28; Q36  
International Patent Class (Additional): A47K-010/42; B65H-001/12  
File Segment: EngPI

15/5/11 (Item 10 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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001226806

WPI Acc No: 1975-B0582W/197504

**Sanitary storage cabinet and dispenser for e.g. sanitary napkins - in which leading napkin to be dispensed projects beyond remainder**

Patent Assignee: R L BOLTON (BOLT-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3860304	A	19750114				197504 B

Priority Applications (No Type Date): US 73362321 A 19730521

Abstract (Basic): US 3860304 A

Combination sanitary storage cabinet and dispenser, for feminine sanitary napkins and other articles of feminine hygiene, has a storage container with an interior storage space for a stack of sanitary napkins which are removable one by one through an access opening at one end of the container. This end of the container has an end opening through which a stack of napkins may be inserted into the container and which is normally closed by a removable end closure member toward which the napkin stack is urged by a spring. The end closure member may be a receptacle for additional articles of feminine hygiene, such as a sanitary napkin belt or napkin disposal bags and is accessible through the container access opening for removal of articles from and replacement of articles in the receptacle, as well as removal and replacement of the receptacle. The opposite end of the container may have additional storage space for other feminine hygiene articles, such as tampons.

Title Terms: SANITARY; STORAGE; CABINET; DISPENSE; SANITARY; NAPKIN; LEADING; NAPKIN; DISPENSE; PROJECT; REMAINING

Derwent Class: P27

International Patent Class (Additional): A47F-001/12

File Segment: EngPI

17/5/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
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05979760 \*\*Image available\*\*

**PAPER TOWEL PRODUCT FOR REFILL TO DISPENSER , ITS MANUFACTURE AND  
REFILL OF THE SAME TO DISPENSER**

PUB. NO.: 10-262860 [JP 10262860 A]  
PUBLISHED: October 06, 1998 (19981006)  
INVENTOR(s): OGINO HISASHI  
APPLICANT(s): MARUNOUCHI SHIKO KK [000000] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 09-088733 [JP 9788733]  
FILED: March 24, 1997 (19970324)  
INTL CLASS: [6] A47K-010/16; A47K-010/42; B65D-083/08  
JAPIO CLASS: 30.4 (MISCELLANEOUS GOODS -- Furniture); 14.2 (ORGANIC  
CHEMISTRY -- High Polymer Molecular Compounds); 31.1  
(PACKAGING -- General); 31.2 (PACKAGING -- Containers)

#### ABSTRACT

PROBLEM TO BE SOLVED: To facilitate easy refill of a bundle of paper towels by providing a packaging bag to cover a number of sheets of **stacked** paper towel and an open/close means along the bag surface so as to correspond to the towel-drawer outlet of a dispenser and fixing a drawer member onto the surface of the paper towel facing the open/close means.

SOLUTION: To the surface of the uppermost layer of a bundle of **stacked** paper towels 1, a drawer piece 3 is fixed, one end 3a of which is attached and the other end 3b is a free end. The drawer piece 3 has a length necessary to stick out from an opening when the packaging bag 4 is opened. The entire bundle of the paper towels 1 is covered by a polyethylene packaging bag 4 on which continuous **perforation** 5 to facilitate opening, is performed in width direction at nearly the center of the paper towel 1 along the lengthwise direction up to a welding line 4a. When in use, the packaging bag 4 is opened along the **perforation** 5 and, after the free end 3b of the drawer piece is taken out from the opening outside of the packaging bag 4, it is inserted inside a dispenser 6 so that the opening 5a and the drawer piece 3 come downward.

17/5/2 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013413553 \*\*Image available\*\*

WPI Acc No: 2000-585491/200055

XRPX Acc No: N00-433302

**Desktop package for memo sheets and tissues is made from single sheet of  
card which is folded and glued to form rectangular box with tear -off  
access strip**

Patent Assignee: NORMIGO BV (NORM-N)

Inventor: SLANGEN J J M; VAN DEN BOSCH R W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
NL 1010796	C6	20000619	NL 981010796	A	19981214	200055 B

Priority Applications (No Type Date): NL 981010796 A 19981214

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
NL 1010796	C6	16	B65D-083/08	

Abstract (Basic): NL 1010796 C6

NOVELTY - The package is a rectangular box (1) with an interleaved 'pop-up' **stack** of tissues (6) at the back and a number of memo sheets (7) at the front. The package is formed from a single sheet of card which is folded and glued around the contents. The user **tears** off a panel along **perforated** lines to make an access opening (8). At the front of the opening is a cut-out to allow the user to view an advertising message (9).

USE - **Dispenser** for **paper products**

ADVANTAGE - Simple and attractive

DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of the package with the access strip removed.

box (1)

inner dividing wall (5)

sheets of tissue paper (6)

memo sheets (7)

access opening (8)

advertising message (9)

pp; 16 DwgNo 1b/4

Title Terms: PACKAGE; MEMO; SHEET; TISSUE; MADE; SINGLE; SHEET; CARD; FOLD; GLUE; FORM; RECTANGLE; BOX; **TEAR** ; ACCESS; STRIP

Derwent Class: Q32; Q34

International Patent Class (Main): B65D-083/08

International Patent Class (Additional): B65D-005/16

File Segment: EngPI

17/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012795576 \*\*Image available\*\*

WPI Acc No: 1999-601806/199952

XRPX Acc No: N99-443746

Paper towel dispenser **pack for kitchen towels**

Patent Assignee: ABC TISSUE PROD PTY LTD (ABCT-N)

Inventor: NGAI S

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 9910048	A	19990930	AU 9910048	A	19990107	199952 B
NZ 330269	A	20000128	NZ 330269	A	19980423	200015

Priority Applications (No Type Date): AU 982355 A 19980316

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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AU 9910048	A		10	A47K-010/20	
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NZ 330269	A			B65D-083/06	
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Abstract (Basic): AU 9910048 A

NOVELTY - The pack comprise a carton (40) containing a **stack** of **interfolded** paper towels (22-38). The carton has a dispensing opening (42) through which individual towels may be drawn. The towels have a water absorbency of at least 200 grams of water per square meter, and a wet tensile strength of at least 0.08 kN/m.

USE - For kitchen towels (claimed).

ADVANTAGE - Is more hygienic than existing products. Does not require a dedicated dispenser. Is easier to use than a traditional roll. Ensures that the towels are less likely to **tear**.

DESCRIPTION OF DRAWING(S) - The drawings show a schematic illustration of some **interfolded** towels in a towel **stack**, and the **stack** inside the dispensing carton.

Towels (22-38)

Carton (40)  
Dispensing opening (42)  
pp; 10 DwgNo 1/2  
Title Terms: PAPER; TOWEL; DISPENSE; PACK; KITCHEN; TOWEL  
Derwent Class: P28; Q34  
International Patent Class (Main): A47K-010/20; B65D-083/06  
International Patent Class (Additional): A47K-010/32; A47K-010/42  
File Segment: EngPI

17/5/4 (Item 3 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

009142944 \*\*Image available\*\*  
WPI Acc No: 1992-270382/199233  
XRPX Acc No: N92-206679

**Container system for paper towel dispensing and collection - has  
recyclable cardboard dispensing and collecting containers of related  
volume mounted in common rack**

Patent Assignee: GLOMMA PAPP AS (GLOM-N)  
Inventor: MARTHINSEN W  
Number of Countries: 016 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 498399	A1	19920812	EP 92101912	A	19920205	199233 B
NO 9100497	A	19920810	NO 91497	A	19910208	199241
NO 171840	B	19930201	NO 91497	A	19910208	199310
EP 498399	B1	19950419	EP 92101912	A	19920205	199520
DE 69202070	E	19950524	DE 602070	A	19920205	199526
			EP 92101912	A	19920205	

Priority Applications (No Type Date): NO 91497 A 19910208

Cited Patents: EP 147214; US 3089597

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 498399	A1	E	5	A47K-010/46	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE					
NO 171840	B			B65H-016/04	Previous Publ. patent NO 9100497
EP 498399	B1	E	6	A47K-010/46	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE					
DE 69202070	E			A47K-010/46	Based on patent EP 498399
NO 9100497	A			B65H-035/10	

Abstract (Basic): EP 498399 A

A recyclable cardboard container has a star-shaped portion which is **torn** out, leaving points serving to **tear** off enclosed paper towels. Used paper towels are collected in a cardboard container with a top section (7, 7', 14, 14') providing two outwardly projecting **interfolded** sections (7', 7').

Each sections (7', 7) outermost end is pressed into a respective side opening (6, 6') and snaps behind the opening lower edge. The dispensing and collection containers are preferably in a common rack, the collection container volume being matched to the volume of the paper towel roll in the dispensing container.

ADVANTAGE - Simple towel roll replacement and waste removal, increased hygiene and ease of recycling.

Dwg.1/3

Title Terms: CONTAINER; SYSTEM; PAPER; TOWEL; DISPENSE; COLLECT; RECYCLE; CARDBOARD; DISPENSE; COLLECT; CONTAINER; RELATED; VOLUME; MOUNT; COMMON; RACK

Derwent Class: P28; Q36  
International Patent Class (Main): A47K-010/46; B65H-016/04; B65H-035/10  
International Patent Class (Additional): A47K-010/36  
File Segment: EngPI

17/5/5 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007572955 \*\*Image available\*\*  
WPI Acc No: 1988-206887/198830  
XRPX Acc No: N88-157734

**Coiled strip dispensing machine parting mechanism - has two knives in rotary drum working against offset stationary cams**

Patent Assignee: GRANGER M (GRAN-I)  
Inventor: GRANGER M  
Number of Countries: 016 Number of Patents: 008  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 275806	A	19880727	EP 87420352	A	19871222	198830 B
FR 2609010	A	19880701				198833
US 4846035	A	19890711	US 87136339	A	19871222	198935
CA 1282683	C	19910409				199131
EP 275806	B	19920318	EP 87420352	A	19871222	199212
DE 3777617	G	19920423				199218
ES 2030090	T3	19921016	EP 87420352	A	19871222	199246
KR 9511433	B1	19951004	KR 8715359	A	19871230	199848

Priority Applications (No Type Date): FR 8618497 A 19861230  
Cited Patents: EP 145622; FR 2387628; US 2278029; US 4441392; FR 2332215;  
US 441392

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 275806	A	F	11		
Designated States (Regional): AT BE CH DE ES GB GR IT LI LU NL SE					
US 4846035	A		8		
EP 275806	B		12		
Designated States (Regional): AT BE CH DE ES GB GR IT LI LU NL SE					
ES 2030090	T3			A47K-010/34	Based on patent EP 275806
KR 9511433	B1			B65H-035/04	

Abstract (Basic): EP 275806 A

The parting mechanism is for a machine dispensing strip material from a coil, having a hollow drum with a longitudinal slot in the outside and containing a knife and support hinging in opposition to a spring inside the drum. The knife protrudes through the slot when the drum is turned by pulling on the material under the action of a roller working against a stationary cam.

There are two separate knives (22,23) including an angle between them and each extending for half the drum length. They are mounted on similarly inclined supports (24,25) each with roller (28,29) working against a fixed cam on a side flange in the drum housing. There is an angular **offset** between the cams, so that the knives emerge in succession, giving two cutting zones in the strip and a single clean cut line at right angles to its edges.

ADVANTAGE - Avoids **tearing** when cutting fine material such as paper padding etc.

8/9

Title Terms: COIL; STRIP; DISPENSE; MACHINE; PART; MECHANISM; TWO; KNIFE; ROTATING; DRUM; WORK; **OFFSET** ; STATIONARY; CAM

Derwent Class: P28; P62; Q36  
International Patent Class (Main): A47K-010/34; B65H-035/04

International Patent Class (Additional): B26D-001/56  
File Segment: EngPI

17/5/6 (Item 5 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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003056636

WPI Acc No: 1981-F6671D/198125

**Flexible plastics foil packaging for paper handkerchiefs - has pull flap, formed by perforation lines, on front wall**

Patent Assignee: SENNING VERPACKUNGSAUTOM C (SNNG )

Inventor: BRAHMST D; LIPPERT W; RUGENSTEIN R

Number of Countries: 008 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2949496	A	19810611	DE 2949496	A	19781208	198125 B
EP 30601	A	19810624	EP 80106454	A	19801023	198127
US 4460088	A	19840717	US 83506852	A	19830622	198431
EP 30601	B	19841128				198448
DE 2949496	C	19890928				198939

Priority Applications (No Type Date): DE 2949496 A 19791208; DE 2949496 A 19781208

Cited Patents: CH 436608; FR 2103361; FR 2334584; GB 124197; LU 68142; US 1915503; US 2529853; US 2573309; US 3012692; US 3464621; GB 3307

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 30601	A	G			
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Designated States (Regional): AT CH FR GB IT LI

EP 30601	B	G			
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Designated States (Regional): AT CH FR GB IT LI

Abstract (Basic): DE 2949496 A

The soft foil packaging is esp. for paper handkerchiefs, serviettes, sanitary towels, etc. It is ashlar-shaped, with front, rear, side and end walls. **Perforation** lines limit parts of the packaging, which may be **torn** open. One of the walls, esp. the large front wall (15), or the rear wall (16), has a pull-flap (26), which extends to a grip end (31).

The pull-flap is limited by **perforation** lines (29,30) and connected **perforations**, or similar markings. The flap end is covered by an adhesive strip (40), which is removably fastened to the packaging wall. When the non-adhesive flap end is pulled, the strip is **torn** off the wall, and then in turn **tears** the flap off the front wall.

Title Terms: FLEXIBLE; PLASTICS; FOIL; PACKAGE; PAPER; HANDKERCHIEF; PULL; FLAP; FORMING; **PERFORATION**; LINE; FRONT; WALL

Derwent Class: Q32; Q34

International Patent Class (Additional): B65D-027/34; B65D-075/58;

B65D-083/08; B65D-085/16

File Segment: EngPI

21/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012934610 \*\*Image available\*\*  
WPI Acc No: 2000-106457/200009  
XRPX Acc No: N00-081772

**Napkin assembly for napkin dispenser applicable in restaurants or  
and stadiums**

Patent Assignee: KIMBERLY-CLARK WORLDWIDE INC (KIMB ); CHAN M Y (CHAN-I);  
SKERRETT J R (SKER-I)

Inventor: **CHAN M Y ; SKERRETT J R**

Number of Countries: 087 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200000072	A1	20000106	WO 99US14405	A	19990625	200009 B
AU 9949610	A	20000117	AU 9949610	A	19990625	200026
TW 411267	A	20001111	TW 99110694	A	19990629	200121
US 6213346	B1	20010410	US 98106978	A	19980629	200122
EP 1091678	A1	20010418	EP 99933578	A	19990625	200123
			WO 99US14405	A	19990625	
US 20010020626	A1	20010913	US 98106978	A	19980629	200155
			US 2001776395	A	20010202	
MX 2001000564	A1	20010501	MX 2001564	A	20010116	200227

Priority Applications (No Type Date): US 98106978 A 19980629; US 2001776395  
A 20010202

Patent Details:

Patent No	Kind	Ian	Pg	Main IPC	Filing Notes
WO 200000072	A1	E	27	A47K-010/42	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
AU 9949610	A			A47K-010/42	Based on patent WO 200000072
TW 411267	A			A47K-010/42	
US 6213346	B1			A47K-010/24	
EP 1091678	A1	E		A47K-010/42	Based on patent WO 200000072
Designated States (Regional): BE DE ES FR GB IT NL SE					
US 20010020626	A1			A47K-010/24	Div ex application US 98106978 Div ex patent US 6213346
MX 2001000564	A1			A47K-010/42	

Abstract (Basic): WO 200000072 A1

NOVELTY - The napkin assembly comprises a group of napkins (115) composed of individual napkins (120a,120b). The napkins are connected by tabs (124) which have perforations (126). The individual napkins have members (128a,130a) separated by fold (140a).

USE - For **dispensing napkins**.

ADVANTAGE - The arrangement provides on-at-a-time **napkin dispensing** and reduces waste and costs.

DESCRIPTION OF DRAWING(S) - The drawing shows two of the napkins

Napkin group (115)

Individual napkins (120a,120b)

Tabs (124)

Perforations (126)

Napkin members (128a,130a)

Fold (140)

pp; 27 DwgNo 1/10

Title Terms: NAPKIN; ASSEMBLE; NAPKIN; DISPENSE; APPLY; RESTAURANT; STADIUM

Derwent Class: P28; Q36

International Patent Class (Main): A47K-010/24; A47K-010/42

International Patent Class (Additional): B65H-001/00  
File Segment: EngPI

21/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011775311 \*\*Image available\*\*  
WPI Acc No: 1998-192221/199817  
XRAM Acc No: C98-061458  
XRPX Acc No: N98-152129

**Dispensable folded web product - with one continuous web folded into multiple layers asymmetrically to simplify web dispensing**  
Patent Assignee: KIMBERLY-CLARK WORLDWIDE INC (KIMB ); KIMBERLY-CLARK CORP (KIMB )

Inventor: CHAN M Y  
Number of Countries: 080 Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5716691	A	19980210	US 96740827	A	19961104	199817 B
WO 9819951	A1	19980514	WO 97US17697	A	19970930	199825
ZA 9709058	A	19980729	ZA 979058	A	19971009	199835
AU 9746629	A	19980529	AU 9746629	A	19970930	199841
TW 372927	A	19991101	TW 97115859	A	19971027	200036
MX 9903749	A1	19990801	MX 993749	A	19990422	200063

Priority Applications (No Type Date): US 96740827 A 19961104

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5716691	A		9	B32B-003/04	
WO 9819951	A1	E		B65H-045/22	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK ES FI FR GB GH GR IE IT KE  
LS LU MC MW NL OA PT SD SE SZ UG ZW

ZA 9709058	A	17	A47G-000/00	
AU 9746629	A		B65H-045/22	Based on patent WO 9819951
TW 372927	A		B65H-045/04	
MX 9903749	A1		B65H-045/22	

Abstract (Basic): US 5716691 A

A dispensible one piece folded web product has a central panel (100) with two sides (104,108) and fold lines (102,106).

A second integral panel (300) folded the other way over side (104) of panel (100).

Fourth panel (400) is folded (206) between panels (200,100) with a fifth panel (500) folded (306) between panels (300,100).

The combined width of panels (200,300) is greater than panel (100) width to generate a region of non-uniform thickness across the length of the product to aid dispensing.

USE - As a folded web product such as a paper **napkin** folded for easy **dispensing**.

ADVANTAGE - The invention can not be mis-loaded into a conventional dispenser and is easy to remove from the unit.

Dwg.4/8

Title Terms: DISPENSE; FOLD; WEB; PRODUCT; ONE; CONTINUOUS; WEB; FOLD;  
MULTIPLE; LAYER; ASYMMETRIC; SIMPLIFY; WEB; DISPENSE

Derwent Class: F09; P27; P28; P73; Q36

International Patent Class (Main): A47G-000/00; B32B-003/04; B65H-045/04;  
B65H-045/22

23/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013655811 \*\*Image available\*\*  
WPI Acc No: 2001-140023/200115  
XRAM Acc No: C01-041448  
XRPX Acc No: N01-102103

**Absorbent article such as sanitary napkins and disposable diapers  
comprises sealed portion formed by sealing topsheet and backsheet, which  
has specific tear strength**

Patent Assignee: KAO CORP (KAOS )  
Inventor: HAMAJIMA M; KONDO M; NAKANISHI M; TANAKA S; TERANISHI F;  
YOKOMATSU H

Number of Countries: 028 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1066811	A2	20010110	EP 2000113812	A	20000629	200115 B
JP 2001017468	A	20010123	JP 99194672	A	19990708	200120
CN 1279934	A	20010117	CN 2000109573	A	20000705	200128
US 6302872	B1	20011016	US 2000609391	A	20000703	200164

Priority Applications (No Type Date): JP 99194672 A 19990708

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1066811	A2	E	11	A61F-013/514	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT					
LI LT LU LV MC MK NL PT RO SE SI					
JP 2001017468	A		8	A61F-013/514	
CN 1279934	A			A61F-013/15	
US 6302872	B1			A61F-013/15	

Abstract (Basic): EP 1066811 A2

NOVELTY - An absorbent article (1) comprises a liquid permeable topsheet (2), liquid impermeable backsheet (3) having tear strength of 120 - 500 cN and liquid retentive absorbent member (4) interposed between top- and back-sheets. The top- and back-sheets are joined by sealing to form a sealed portion (S).

USE - As absorbent articles such as sanitary napkins, disposable diapers, urinary incontinent pads, panty liners and underlaying sheets for pets.

ADVANTAGE - The absorbent article is devoid of adhesion failures such as lifting or separation and damage such as cuts and tears. The article has excellent appearance and leak-proof property. The resin comprised in the backsheet improves sheet strength and machinability during cutting operation. The amount of adhesive to be applied for fixing the article to the clothes is restrained. The article can be obtained economically.

DESCRIPTION OF DRAWING(S) - The figure shows perspective view of absorbent article.

Absorbent article (1)  
Liquid permeable topsheet (2)  
Liquid impermeable backsheet (3)  
Liquid retentive absorbent member (4)  
Sealed portion (S)  
pp; 11 DwgNo 1/3

Title Terms: ABSORB; ARTICLE; SANITARY; NAPKIN; DISPOSABLE; DIAPER;  
COMPRISE; SEAL; PORTION; FORMING; SEAL; SPECIFIC; TEAR; STRENGTH  
Derwent Class: A96; D22; F07; P32; P34  
International Patent Class (Main): A61F-013/15; A61F-013/514  
International Patent Class (Additional): A61F-005/44; A61F-013/472;  
A61F-013/49; A61F-013/54; A61L-015/00  
File Segment: CPI; EngPI

23/5/2 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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007949501  
WPI Acc No: 1989-214613/198930  
Related WPI Acc No: 1988-023104  
XRAM Acc No: C89-095421  
XRPX Acc No: N89-163544

**Diaper pad - comprises hydrophilic fibres and gelling particles and has front section with deposition region contg. acquisition zone**

Patent Assignee: PROCTER & GAMBLE CO (PROC )  
Inventor: BERG C J  
Number of Countries: 016 Number of Patents: 008  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 325416	A	19890726	EP 89300420	A	19890118	198930 B
JP 2005945	A	19900110	JP 8913880	A	19890123	199008
US 5047023	A	19910910	US 91656101	A	19910211	199139
CA 1314696	C	19930323	CA 588417	A	19890117	199317
EP 325416	B1	19940518	EP 89300420	A	19890118	199420
DE 68915294	E	19940623	DE 615294	A	19890118	199426
			EP 89300420	A	19890118	
ES 2052896	T3	19940716	EP 89300420	A	19890118	199430
JP 2996664	B2	20000111	JP 8913880	A	19890123	200007

Priority Applications (No Type Date): US 88147375 A 19880122; US 86887584 A 19860718; US 90512626 A 19900411; US 91656101 A 19910211  
Cited Patents: ...9004 EP; 00 15764900; -SR.Pub; US 4212302; US 4610678; US 4673402

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 325416	A	E	24		
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE					
JP 2996664	B2		21	A61F-013/45	Previous Publ. patent JP 2005945
US 5047023	A		23		
EP 325416	B1	E	30	A61F-013/15	
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE					
DE 68915294	E			A61F-013/15	Based on patent EP 325416
ES 2052896	T3			A61F-013/15	Based on patent EP 325416
CA 1314696	C			A61F-013/15	

Abstract (Basic): EP 325416 A

Absorbent member, specifically incorporated in a diaper, comprises mixt. of hydrophilic fibres and gelling particles of size range 400-1680 microns. A back section is contiguous with a front section (50) having a deposition region which contains an acquisition zone of lower average density than a storage zone of the deposition region.

Pref. particles size is greater or equal to 500 microns, and at least 75% of the total particles are in the front section, which forms two-thirds of the absorbent member.

USE/ADVANTAGE - Rapid liq. takeup and **distribution** in diapers, incontinent pads, sanitary **napkins**.

Dwg.0/11

Title Terms: DIAPER; PAD; COMPRISE; HYDROPHILIC; FIBRE; GEL; PARTICLE; FRONT; SECTION; DEPOSIT; REGION; CONTAIN; ACQUIRE; ZONE  
Derwent Class: A96; D22; F07; P32  
International Patent Class (Main): A61F-013/15; A61F-013/45  
International Patent Class (Additional): A61F-005/44; A61F-013/18  
File Segment: CPI; EngPI

File 6:NTIS 1964-2002/Jun W3  
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File 8:EI Compendex(R) 1970-2002/May W4  
(c) 2002 Engineering Info. Inc.

File 31:World Surface Coatings Abs 1976-2002/May  
(c) 2002 Paint Research Assn.

File 34:SciSearch(R) Cited Ref Sci 1990-2002/Jun W1  
(c) 2002 Inst for Sci Info

File 51:Food Sci.&Tech.Abs 1969-2002/May W1  
(c) 2002 FSTA IFIS Publishing

File 53:FOODLINE(R): Food Science & Technology 1972-2002/May 29  
(c) 2002 LFRA

File 65:Inside Conferences 1993-2002/May W4  
(c) 2002 BLDSC all rts. reserv.

File 94:JICST-EPlus 1985-2002/Apr W1  
(c)2002 Japan Science and Tech Corp(JST)

File 99:Wilson Appl. Sci & Tech Abs 1983-2002/Apr  
(c) 2002 The HW Wilson Co.

File 144:Pascal 1973-2002/May W4  
(c) 2002 INIST/CNRS

File 238:Abs. in New Tech & Eng. 1981-2002/May  
(c) 2002 Reed-Elsevier (UK) Ltd.

File 240:PAPERCHEM 1967-2002/May W1  
(c) 2002 IPST

File 248:PIRA 1975-2002Jun W1  
(c) 2002 Pira International

File 252:Packaging Sci&Tech 1982-1997/Oct  
(c) 1997 by Fraunhofer-ILV, Germany

File 323:RAPRA Rubber & Plastics 1972-2002/Jun  
(c) 2002 RAPRA Technology Ltd

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

File 2:INSPEC 1969-2002/May W4  
(c) 2002 Institution of Electrical Engineers

File 14:Mechanical Engineering Abs 1973-2002/May  
(c) 2002 Cambridge Sci Abs

Set	Items	Description
S1	81	(NAPKIN?) (5N) (DISPENS? OR DISTRIBUT? OR DELIVER? OR CONTAINER? OR HOLDER?)
S2	582961	NEST OR NESTED OR NESTING OR STACK? OR OFFSET? OR INTERSPERS? OR INTERCONNECT? OR INTERFOLD? OR INTER() FOLD?
S3	139881	PERFORAT? OR TEAR OR TEARS OR TORN OR TEARING OR (FOLD OR - FOLDED OR FOLDING) () (CUT OR CUTS)
S4	183445	TAB OR TABS
S5	3	INDIVIDUAL() NAPKINS
S6	386453	FOLD OR FOLDS OR FOLDED OR FOLDING
S7	332	PAPER() (TOWEL? OR PRODUCTS) (5N) DISPENSER?
S8	8939	BASIS() WEIGHT
S9	4906	(EQUAL OR IDENTICAL) () (LENGTH OR SIZE OR SIZING)
S10	0	S1 AND S2 AND S3
S11	21	S1 AND S2
S12	10	S11 AND (S4 OR S5 OR S6 OR S7 OR S8 OR S9)
S13	10	RD (unique items)
S14	7	S11/TI
S15	7	RD (unique items)
S16	6	S15 NOT S13
S17	1	S1 AND S3
S18	1	S17 NOT (S13 OR S15)
S19	1	(S1 OR S7) AND S8
S20	1	S19 NOT (S13 OR S15 OR S17)
S21	2	S7 AND S2 AND S3
S22	2	RD (unique items)

S23	2	S22 NOT (S13 OR S15 OR S17 OR S19)
S24	0	S5 AND S2
S25	0	S4 AND S5
S26	2	S5 AND S6
S27	2	RD (unique items)
S28	2	S27 NOT (S13 OR S15 OR S17 OR S19 OR S22)
S29	2	S1 AND S4
S30	2	RD (unique items)
S31	1	S30 NOT (S13 OR S15 OR S17 OR S19 OR S22 OR S27)
S32	0	AU='SKERRETT J R'
S33	2	AU='SKERRETT, J. R.'
S34	27	AU='CHAN M Y' OR AU='CHAN M-Y'
S35	35	AU='CHAN, M. Y' OR AU='CHAN, M. Y.' OR AU='CHAN, M.-Y.'
S36	30	AU='CHAN, M.Y.'
S37	18	AU='CHAN, MICHAEL'
S38	3	(S33 OR S34 OR S35 OR S36 OR S37) AND (S1 OR S5 OR S7)
S39	1	RD (unique items)
S40	1	S39 NOT (S13 OR S15 OR S17 OR S19 OR S22 OR S27)

13/3,AB/1 (Item 1 from file: 240)  
DIALOG(R) File 240:PAPERCHEM  
(c) 2002 IPST. All rts. reserv.

00603944 PAPERCHEM NO: PB0203957

**Dispensable Folded Web Product**

Chan, M.

PATENT ASSIGNEES: Kimberly-Clark

PATENT NUMBER: US 5716691 PATENT DATE: 980210 PATENT CLASS#: 428/126

PATENT APP# - DATE OF APPLICATION

US 740827 - 961104

SOURCE: U.S. pat. 5,716,691. Issued February 10, 1998. 21 claims. 9 p.  
Cl.428/126. Filed: U.S. appln. 740,827 (November 4, 1996). [Engl.]

A **folded** absorbent paper product, such as a paper napkin, is **folded** so that it can be more easily **dispensed** from a conventional **dispenser**. The **napkin** is Z- **folded**, and each outer arm is again **folded** to cause its outer section to be placed between the outer arm and the central panel of the napkin. The **folded** -in sections on each side of the central panel overlap each other, creating an area of nonuniform thickness across the length of the product. This nonuniformity facilitates the dispensing. Also, it is not possible to load a **stack** of the **folded** items incorrectly into the dispenser: either side of the **stack** can be presented to the dispenser outlet with good results.

13/3,AB/2 (Item 2 from file: 240)  
DIALOG(R) File 240:PAPERCHEM  
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00540859 PAPERCHEM NO: AB6618125

**Folded -Sheet-Product Dispenser System**

Petterson, T.; McGregor, J. T.

PATENT NUMBER: CA 2062594 PATENT DATE: 920913 PATENT CLASS#: A47K010/42

PATENT APP# - DATE OF APPLICATION

CA 2062594 - 920310

US 667861 - 910312

US 668063 -

US 667962 -

SOURCE: Can. pat. 2,062,594. Issued September 13, 1992. 12 claims. 21 p.  
Cl.A47K010/42. Filed: Can. appln. 2,062,594 (March 10, 1992). Priority:  
U.S. appln. 667,861 (March 12, 1991). U.S. appln. 668,063 (March 12, 1991).  
U.S. appln. 667,962 (March 12, 1991). [Engl.] cf. US pat. 5090592 ; ABIPST  
63: abstr. 8642.

This dispenser for a **stack** of **folded** sheets such as paper napkins, including a nose piece for the dispensing opening that is shaped to facilitate single-sheet dispensing, is similar to that described in the cross-referenced patent.

13/3,AB/3 (Item 3 from file: 240)  
DIALOG(R) File 240:PAPERCHEM  
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00535636 PAPERCHEM NO: AB6614594

**Functional Emboss Design for Multi-Ply Napkins**

Lang, F. J.; Martin, D. J.

PATENT ASSIGNEES: James River Corp. (Richmond: VA: United States)

PATENT NUMBER: US 5415918 PATENT DATE: 950516 PATENT CLASS#: 428/154

PATENT APP# - DATE OF APPLICATION

US 171749 - 931222

SOURCE: U.S. pat. 5,415,918. Issued May 16, 1995. 18 claims. 22 p.  
Cl.428/154. Filed: U.S. appln. 171,749 (December 22, 1993). [Engl.]

A multi-ply paper napkin is provided with an embossed design that

includes a coin-embossed edge, an embossed **folded** edge, and an unembossed wiping surface. The design is such that the napkin has increased resistance to puckering and a more even bulk **distribution**. Wrapped packages of the **napkins** have a right-angled parallelepipedal configuration that permits good **stacking** on the store shelf.

**13/3,AB/4 (Item 4 from file: 240)**  
DIALOG(R) File 240:PAPERCHEM  
(c) 2002 IPST. All rts. reserv.

00333585 PAPERCHM NO: AB6415074

**Apparatus for Stacking and Portioning Folded or Unfolded Blanks of Paper, Pulp, Nonwoven, or the Like**  
Hallwas, K.

PATENT ASSIGNEES: Robert Giebeler GmbH. & Co. KG. (Langenfeld: Germany)

PATENT NUMBER: DE 4117586 PATENT DATE: 921203

SOURCE: Ger. pat. 4,117,586. DOS Dec. 3, 1992. 17 claims. 16 p.

A packaging line for paper napkins or the like includes a transfer cylinder on which the napkins are cut and **folded**. This cylinder transfers the **napkins** to either of two **delivery** cylinders, each of which passes **stacks** of the napkins on to packaging stations.

**13/3,AB/5 (Item 5 from file: 240)**  
DIALOG(R) File 240:PAPERCHEM  
(c) 2002 IPST. All rts. reserv.

00319421 PAPERCHM NO: AB6400910

**Dispenser for Folded -Sheet Products**

Petterson, T.; McGregor, J. T.

PATENT ASSIGNEES: James River II Corp. (Oakland: CA: United States)

PATENT NUMBER: US 5102007 PATENT DATE: 920407 PATENT CLASS#: 221/6

PATENT APP# - DATE OF APPLICATION

US 668083 - 910312

SOURCE: U.S. pat. 5,102,007. Issued April 7, 1992. 7 claims. 8 p.  
Cl.221/6. Filed: U.S. appln. 668,083 (March 12, 1991).

A **dispenser** for paper **napkins** or the like, in which the napkins are withdrawn through an opening in the bottom of the dispenser, includes an internal blocking member that prevents the supply **stack** from being pushed upward away from the dispensing opening.

**13/3,AB/6 (Item 6 from file: 240)**  
DIALOG(R) File 240:PAPERCHEM  
(c) 2002 IPST. All rts. reserv.

00312853 PAPERCHM NO: AB6308642

**Nose Piece for Folded -Sheet Product Dispenser**

Petterson, T.; McGregor, J. T.

PATENT ASSIGNEES: James River II Inc. (Oakland: CA: United States)

PATENT NUMBER: US 5090592 PATENT DATE: 920225 PATENT CLASS#: 221/55

PATENT APP# - DATE OF APPLICATION

US 667962 - 910312

SOURCE: U.S. pat. 5,090,592. Issued Feb. 25, 1992. 9 claims. 9 p.  
Cl.221/55. Filed: U.S. appln. 667,962 (March 12, 1991).

A dispenser for a **stack** of **folded** sheet products such as paper **napkins** includes a **dispensing** opening-defining nose piece shaped to facilitate the sequential single-sheet dispensing of the products.

**13/3,AB/7 (Item 7 from file: 240)**  
DIALOG(R) File 240:PAPERCHEM

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00293435 PAPERCHEM NO: AB6203524

**Resealable Enclosure**

Prascak, B.; Erickson, T.

PATENT ASSIGNEES: James River Corp. (Richmond: VA: United States)

PATENT NUMBER: US 4982845 PATENT DATE: 910108 PATENT CLASS#: 206/621

PATENT APP# - DATE OF APPLICATION

US 367568 - 890619

SOURCE: U.S. pat. 4,982,845. Issued Jan. 8, 1991. 10 claims. 6 p.  
Cl.206/621. Filed: U.S. appln. 367,568 (June 19, 1989).

A resealable container is provided for pkg. a **stack** of sheet products such as **napkins**. The **container** (which may be made of PE film) has a line of weakness extending transversely across its top. The line may be ruptured by the user to permit withdrawal of one or more of the packaged products. An adhesive **tab** is secured to the top of the container so that the **tab** extends across the line of weakening. One end of the **tab** can be pulled free from the container and subsequently resealed to secure the container in closed condition.

**13/3,AB/8 (Item 8 from file: 240)**

DIALOG(R)File 240:PAPERCHEM

(c) 2002 IPST. All rts. reserv.

00130142 PAPERCHEM NO: AB4902511

**IMPROVEMENTS IN OR RELATING TO THE WARMING AND DAMPING OF NONWOVEN DISPOSABLE WET-STRENGTH-TREATED NAPKINS OR TOWELS**

Duni Bila AB

PATENT NUMBER: GB 1507584 PATENT DATE: 780419

PATENT APP# - DATE OF APPLICATION

GB 761442 - 760408

SE 754128 - 750410

SOURCE: Brit. pat. 1,507,584. Issued April 19, 1978. 3 claims. 3 p.  
Filed: Brit. appln. 1442/76 (April 8, 1976). Priority: Swed. 04128/75 (April 10, 1975).

A **stack** of nonwoven disposable wet-strengthened napkins or towels is placed in a carton having a waterproof coating of PE or the like. The carton has water-tight corners formed by a gusset- **folded** structure, and top closure flaps which can be opened to form a trough-like **container** in which the **napkins** or towels are arranged vertically. The towels may be prepared for use in warm moist condition (e.g., in airplane food service) simply by pouring hot water into the opened carton.

**13/3,AB/9 (Item 9 from file: 240)**

DIALOG(R)File 240:PAPERCHEM

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00092155 PAPERCHEM NO: AB4600644

**SEPARATOR AND TRANSFER DEVICE FOR PAPER NAPKINS, TOWELS AND THE LIKE**

Trogan, J. F.; Beebe, J. H.; Bretting, C. G., Mfg. Co. Inc

PATENT NUMBER: US 3866905 PATENT DATE: 750218 PATENT CLASS#: 271/181

PATENT APP# - DATE OF APPLICATION

US 294920 - 721004

SOURCE: U.S. pat. 3,866,905. Issued Feb. 18, 1975. 3 claims. 10 p.  
Cl.271/181. Filed: U.S. appln. 294,920 (Oct. 4, 1972).

This invention relates to a machine for producing **folded** paper **napkins** or towels and **delivering** them in a horizontal **stack** in which the articles are arranged vertically. According to the invention, means are provided for separating groups of articles from the leading end of the **stack**, with each separated group containing a specified no. of the articles. The separated groups are then transferred to a machine for

wrapping or banding them.

13/3,AB/10 (Item 10 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00078571 PAPERCHEM NO: AB4412350

**FLAT- FOLDED ARTICLE ARRANGED IN A PACK**

Bunzl & Biach AG

PATENT NUMBER: GB 1315754 PATENT DATE: 730502

SOURCE: Brit. pat. 1,315,754. Issued May 2, 1973. 2 claims. 3 p.

This invention relates to a package contg. a **stack** of **folded** paper **napkins** disposed in an outer **container**. One edge of the leading **napkin** in the **stack** is exposed by a dispensing opening in the outer container. According to the invention, removal of the leading napkin is facilitated by forming the napkins with one corner cut off, and **folding** the napkin so that the **fold** with the cut-off corner is exposed at the dispensing opening.

16/3,AB/1 (Item 1 from file: 240)

DIALOG(R) File 240:PAPERCHEM

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00516239 PAPERCHEM NO: AB6519435

**Apparatus for Transferring Paper Napkins or Similar Products from the Production Machine to Stacker Means**

Mauro, G.

PATENT ASSIGNEES: Fabio Perini SpA. (Lucca: Italy)

PATENT NUMBER: US 5356131 PATENT DATE: 941018 PATENT CLASS#: 271/288

PATENT APP# - DATE OF APPLICATION

US 193955 - 940209

IT 9325 - 930215

SOURCE: U.S. pat. 5,356,131. Issued October 18, 1994. 5 claims. 13 p. Cl.271/288. Filed: U.S. appln. 193,955 (February 9, 1994). Priority: Ital. appln. 25/93 (February 15, 1993). [Engl.]

An apparatus is provided for transferring articles such as paper napkins from the delivery end of a production machine to means for stacking the napkins. The articles are picked up from the delivery system by a conveyor that grips them at the edges. Expellers positioned alongside the conveyor remove the articles from the conveyor and place them on a stacker. The expellers operate with continuous reciprocating motion at all times. The expeller closest to the delivery system may be operated either in a position in the trajectory of the articles fed by the conveyor, or in a position where it is not in the trajectory. The latter position is employed when the upstream expeller is not in use.

16/3,AB/2 (Item 2 from file: 240)

DIALOG(R) File 240:PAPERCHEM

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00259858 PAPERCHEM NO: AB5905477

**Device for Preventing Napkins from Bunching at the Dispensing Opening in a Paper Napkin Dispenser**

De Luca, R. F.; Georgia-Pacific Corp

PATENT NUMBER: US 4679703 PATENT DATE: 870714 PATENT CLASS#: 221/52

PATENT APP# - DATE OF APPLICATION

US 585538 - 840302

SOURCE: U.S. pat. 4,679,703. Issued July 14, 1987. 13 claims. 12 p. Cl.221/52. Filed: U.S. appln. 585,538 (March 2, 1984).

A modification of a conventional, spring-loaded, paper napkin dispenser is provided. The outer face plate is bent outward along its vertical center line such that the plate's horizontal cross-section is concave. Two pressure relief rods are attached vertically to the inner surface of the face plate. The rods are placed on either side of the opening such that the length of the rods come in contact with the side edges of the napkin stack. Impelled forward by a spring-loaded follower plate, the stack is held by the rods and bows outward in the center, coming into little or no contact with the face plate. The rods thus reduce friction between the napkin stack and the inner surface of the face plate, preventing bunching of the napkins at the dispenser opening.

16/3,AB/3 (Item 3 from file: 240)

DIALOG(R) File 240:PAPERCHEM

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00243628 PAPERCHEM NO: AB5803537

**Apparatus for Stacking and Delivering Paper Napkins, Paper Towels, and the Like**

DuFresne, A. J.; Paper Converting Machine Co

PATENT NUMBER: US 4625957 PATENT DATE: 861202 PATENT CLASS#: 271/214

PATENT APP# - DATE OF APPLICATION

US 622097 - 840619

SOURCE: U.S. pat. 4,625,957. Issued Dec. 2, 1986. 18 claims. 15 p. Cl.271/214. Filed: U.S. appln. 622,097 (June 19, 1984).

An apparatus for stacking and delivering products such as paper napkins or towels includes a magazine into which the products are delivered to form stacks and which supports the stack along a path of product movement. A number of fingers are mounted on a conveyor adjacent the magazine, and the conveyor moves a finger into the path of stack movement when a stack is completed and separates the completed stack from the next stack. A drive system for the conveyor moves the conveyor at different speeds during each cycle in which a stack is formed. The first speed is a fast speed at which a finger is quickly moved into the path after a stack is completed. The second speed is relatively slow, for moving the completed stack along the path as the next stack is built up behind the finger. The third speed is relatively fast, at which the finger moves the completed stack rapidly along the path. The fourth speed, which may be zero, is the speed during which the completed stack is removed from the conveyor.

**16/3,AB/4 (Item 4 from file: 240)**

DIALOG(R)File 240:PAPERCHEM

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00242404 PAPERCHEM NO: AB5802313

Stacking and Delivering Paper Napkins , Etc

DuFresne, A. J.; Paper Converting Machine Co

PATENT NUMBER: GB 2161147 PATENT DATE: 860108

PATENT APP# - DATE OF APPLICATION

GB 8515426 - 850618

US 622097 - 840619

SOURCE: Brit. pat. 2,161,147. Issued Jan. 8, 1986. 20 claims. 16 p. Filed: Brit. appln. 15,426/85 (June 18, 1985). Priority: U.S. appln. 622,097 (June 19, 1984).

An apparatus for automatically stacking and delivering paper napkins, paper towels, or the like uses a single set of fingers both for separating a completed stack of specified count and for transporting the completed stack.

**16/3,AB/5 (Item 5 from file: 240)**

DIALOG(R)File 240:PAPERCHEM

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00139646 PAPERCHEM NO: AB5001575

NAPKIN - DISPENSING MECHANISM

Pecht, A

PATENT NUMBER: US 4134521 PATENT DATE: 790116 PATENT CLASS#: 221/213

PATENT APP# - DATE OF APPLICATION

US 793070 - 770502

SOURCE: U.S. pat. 4,134,521. Issued Jan. 16, 1979. 3 claims. 4 p. Cl.221/213. Filed: U.S. appln. 793,070 (May 2, 1977).

An apparatus for dispensing napkins from a supply stack includes a cabinet for housing the stack, a dispensing slot in the cabinet aligned with the lowermost napkin in the stack, a mechanism concealed within the cabinet for engaging the lowermost napkin and pushing it through the dispensing opening, and a spring-loaded plunger having an outer end protruding outward through a hole in the cabinet wall and an inner end in operative engagement with the dispensing mechanism, so that a napkin may be dispensed by pushing in on the plunger.

**16/3,AB/6 (Item 6 from file: 240)**

DIALOG(R) File 240:PAPERCHEM  
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00126413           PAPERCHEM NO: AB4810472

**PAPER** NAPKIN   DISPENSER

Merila, J. B

PATENT NUMBER: US 4065028 PATENT DATE: 771227 PATENT CLASS#: 221/36

PATENT APP# - DATE OF APPLICATION

US 693004 - 760604

SOURCE: U.S. pat. 4,065,028. Issued Dec. 27, 1977. 2 claims. 6 p.  
Cl.221/36. Filed: U.S. appln. 693,004 (June 4, 1976).

A dispenser for paper napkins consists of a housing adapted to support a stack of napkins so that a flap of the lowermost napkin hangs downward below the stack. A reciprocating ejector is mounted in the housing below the stack, and is operated to engage the hanging flap of the lower napkin and move the flap outward through a dispensing opening in the front of the housing.

18/3,AB/1 (Item 1 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00255223 PAPERCHEM NO: AB5900842

**Package and Disposal Container Including Plural Tear Portions**

Newman, W. R.; Kimberly-Clark Corp

PATENT NUMBER: US 4648513 PATENT DATE: 870310 PATENT CLASS#: 206/614

PATENT APP# - DATE OF APPLICATION

US 781289 - 850927

SOURCE: U.S. pat. 4,648,513. Issued March 10, 1987. 10 claims. 8 p.  
Cl.206/614. Filed: U.S. appln. 781,289 (Sept. 27, 1985).

A sanitary napkin is packaged inside a folded wrapper which is later used  
as a disposal **container** for the soiled **napkin** .

20/3,AB/1 (Item 1 from file: 248)  
DIALOG(R)File 248:PIRA  
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00508171 Pira Acc. Num.: 20109536

**Title: Argentinians add more**

Authors: Anon

Source: PPI This Week vol. 13, no. 20, 25-29 May 1998, p. 3 (C, P)

Publication Year: 1998

Document Type: Journal Article

Language: English

Abstract: Papelera San Andres de Giles has ordered a new tissue machine for its San Andres de Giles mill, 113km west of Buenos Aires, Argentina. Capacity of the new crescent former machine will be 40tpd. Toschi will supply PM2 which will produce tissue in a **basis weight** range of 17-23g per sq m to be converted into toilet paper, kitchen rolls and **napkins**.

**Delivery** should be January 1999 with startup scheduled for April 1999.  
(Short article)

23/3,AB/1 (Item 1 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
(c) 2002 IPST. All rts. reserv.

00323752 PAPERCHEM NO: AB6405241

**Interleaved-Towel Fold Configuration**

Chan, M. Y.; Hipkins, J. J.

PATENT ASSIGNEES: Scott Paper Co. (Philadelphia: PA: United States)

PATENT NUMBER: US 5118554 PATENT DATE: 920602 PATENT CLASS#: 428/126

PATENT APP# - DATE OF APPLICATION

US 598261 - 901016

SOURCE: U.S. pat. 5,118,554. Issued June 2, 1992. 12 claims. 7 p.  
Cl.428/126. Filed: U.S. appln. 598,261 (Oct. 16, 1990).

In the dispensing of paper towels from a supply **stack** of **interfolded** towels, fewer dispensing failures ( **tearing** , multisheet dispensing, etc.) and other problems are encountered by folding each towel in half, thus creating a two-ply sheet, and orienting the towel in the **stack** so that the folded end is the leading end, i.e., the end that is grasped by the user.

23/3,AB/2 (Item 2 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00099985 PAPERCHEM NO: AB4608474

**OFFSET TEAR LINES IN A ONE-AT-A-TIME MULTIPLY DISPENSING SYSTEM**

Nystrand, E. D.; Krueger, A. S.; Paper Converting Machine Co. Inc

PATENT NUMBER: CA 967921 PATENT DATE: 750520 PATENT CLASS#: 219-10

PATENT APP# - DATE OF APPLICATION

CA 165999 - 730313

US 249496 - 720502

SOURCE: Can. pat. 967,921. Issued May 20, 1975. 2 claims. 17 p.  
Cl.219-10. Filed: Can. appln. 165,999 (March 13, 1973). Priority: U.S. appln. 249,496 (May 2, 1972).

This method for arranging two webs of paper toweling in a roll so that towels can be dispensed alternately from the webs is similar to that described in U.S. pat. 3,770,172; cf. ABIPC 44: abstr. 9909.

28/3,AB/1 (Item 1 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00069307 PAPERCHEM NO: AB4403086  
**METHOD AND APPARATUS FOR FOLDING NAPKINS**  
Paper Converting Machine Co. Inc  
PATENT NUMBER: GB 1290829 PATENT DATE: 720927  
SOURCE: Brit. pat. 1,290,829. Issued Sept. 27, 1972. 13 claims. 8 p.  
A web of paper napkins is **folded** longitudinally, and cut transversely to form **individual napkins**. The napkins are then fed through **folding** and creasing rolls which form two transverse **folds** in each napkin.

28/3,AB/2 (Item 2 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00039400 PAPERCHEM NO: AB4108669  
**MACHINE FOR MAKING CELLULOSIC PRODUCT**  
Banks, C. T.; Kimberly-Clark Corp  
PATENT NUMBER: CA 852593 PATENT DATE: 700929  
SOURCE: Can. pat. 852,593. Issued Sept. 29, 1970. 3 claims.  
An app. for making sanitary napkins includes an assembly for stamping out internal napkin pads and for applg. them in spaced relation onto a traveling gauze web, an assembly for **folding** marginal portions of the web over so as to envelope the pads, an assembly for sealing the overlapping marginal portions of the web and for simult. thrusting side edge portions of the web toward each other during sealing, and an assembly for transversely cutting the sealed portions of the web so as to form the **individual napkins**.

31/3,AB/1 (Item 1 from file: 248)  
DIALOG(R)File 248:PIRA  
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00573498 Pira Acc. Num.: 20173343

**Title: Rexam joins the world's elite with ANC GBP1.3bn deal**

Authors: Craig M

Source: Packag. News May 2000, p. 5

ISSN: 0030-9133

Publication Year: 2000

Document Type: Journal Article

Language: English

Abstract: The latest UK stock market activities in the packaging sector are reported, including Rexam's bid for the American National Can (ANC) group and an update of Bunzl, the paper and packaging services group. The GBP1.3bn Rexam deal, reversing the recent trend of US companies buying up British packaging companies, places Rexam in the top five packaging groups worldwide, where it will focus on the consumer packaging market. Advantages and problems of the new group's size including businesses to be sold are discussed. Recent restructuring at Bunzl and its establishment as a fast food packaging group within the UK are reported. 19% growth in profits from supermarket outsourcing operations including provision of plastic cutlery and food **containers** , carrier bags and paper **napkins** , is reported. Bunzl's pretax profits for 1999 were GBP150.5m. (2 **tab** )

40/3,AB/1 (Item 1 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00552257 PAPERCHEM NO: PB0101140

**Interleaved Towel Fold Configuration**

Chan, M. Y. ; Hipkins, J. J.

PATENT ASSIGNEES: Scott Paper Co.

PATENT NUMBER: GB 2250729 PATENT DATE: 920617 PATENT CLASS#: B65D83/08

PATENT APP# - DATE OF APPLICATION

GB 9121741 - 911014

US 7598261 - 901016

SOURCE: Brit. pat. 2,250,729. June 17, 1992. 12 claims. 19 p.  
Cl.B65D83/08. Filed: Brit. appln. 21,741/91} (October 14, 1991). Priority:  
U.S. pat. 7,598,261 (October 16, 1990). [Engl.]

An interleaved folding arrangement for stacks of paper towels improves dispensing from conventional wall-mounted holders. The towels are interfolded so that lying between the flaps of each towel in the stack are the trailing flap of the preceding towel and the lead flap of the following towel. As each sheet in the stack is removed, the leading edge of the next paper towel automatically extends through the dispensing slot.

File 9:Business & Industry(R) Jul/1994-2002/May 29  
(c) 2002 Resp. DB Svcs.  
File 16:Gale Group PROMT(R) 1990-2002/May 30  
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File 148:Gale Group Trade & Industry DB 1976-2002/May 31  
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File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 481:DELPHEES Eur Bus 95-2002/May W3  
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File 570:Gale Group MARS(R) 1984-2002/May 30  
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(c) 2002 ProQuest Info&Learning  
File 636:Gale Group Newsletter DB(TM) 1987-2002/May 30  
(c) 2002 The Gale Group

Set	Items	Description
S1	1128	(NAPKIN?) (5N) (DISPENS? OR DISTRIBUT? OR DELIVER? OR CONTAINER? OR HOLDER?)
S2	1281803	NEST OR NESTED OR NESTING OR STACK? OR OFFSET? OR INTERSPERS? OR INTERCONNECT? OR INTERFOLD? OR INTER() FOLD?
S3	297359	PERFORAT? OR TEAR OR TEARS OR TORN OR TEARING OR (FOLD OR - FOLDED OR FOLDING) () (CUT OR CUTS)
S4	120623	TAB OR TABS
S5	0	INDIVIDUAL() NAPKINS
S6	349028	FOLD OR FOLDS OR FOLDED OR FOLDING
S7	296	PAPER() (TOWEL? OR PRODUCTS) (5N) DISPENSER?
S8	1728	BASIS() WEIGHT
S9	3214	(EQUAL OR IDENTICAL) () (LENGTH OR SIZE OR SIZING)
S10	0	S1(S) S2(S) S3
S11	6	S1(S) S2
S12	2	S11 AND (S3 OR S4 OR S6 OR S7 OR S8 OR S9)
S13	2	RD (unique items)
S14	0	S11/TI,LP
S15	3	S1(10N) S2
S16	3	RD (unique items)
S17	2	S16 NOT S13
S18	4	S1(10N) S3
S19	2	RD (unique items)
S20	2	S19 NOT (S13 OR S16)
S21	3	S7(10N) S2
S22	3	RD (unique items)
S23	3	S22 NOT (S13 OR S16 OR S19)
S24	2	S7(10N) S3
S25	2	RD (unique items)
S26	2	S25 NOT (S13 OR S16 OR S19 OR S22)
S27	4	(S1 OR S7) AND S8
S28	2	RD (unique items)
S29	2	S28 NOT (S13 OR S16 OR S19 OR S22 OR S25)
S30	16	S1 AND S2 AND S3
S31	120623	S4 AND (S4 OR S9 OR S6)
S32	0	S16 AND (S4 OR S9 OR S6)

S33	9	S30 AND (S4 OR S9 OR S6)
S34	8	RD (unique items)
S35	8	S34 NOT (S13 OR S16 OR S19 OR S22 OR S25 OR S28)
S36	2	S30/TI,LP
S37	2	RD (unique items)
S38	1	S37 NOT (S13 OR S16 OR S19 OR S22 OR S25 OR S28 OR S34)
S39	1	S1(2N)S2
S40	0	S39 NOT (S13 OR S16 OR S19 OR S22 OR S25 OR S28 OR S34 OR - S37)

13/3,K/1 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

20521918 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Willoughby, Ohio-Area Retailers Counting on Less Bumpy Ride in 2002**

Clifford Anthony

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (NEWS-HERALD - WILLOUGHBY, OHIO)

December 29, 2001

JOURNAL CODE: KTNH LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 663

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the loss of consumer confidence in the aftermath of the terrorist attacks Sept. 11, has **torn** a hole in profits and merchants hope to recoup some of the lost revenue in...

... as Lazy Susans and napkin holders that are priced at \$30 and less and it **offset** the loss of sales in big ticketed item in the store located at 35800 Vine...

13/3,K/2 (Item 1 from file: 624)  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2002 McGraw-Hill Co. Inc. All rts. reserv.

01242308

**The Ranking: 2001 SAW A CHANGING OF THE GUARD, IN WHICH THE FLASHY GROWTH OUTFITS OF THE BUBBLE YEARS HAVE GIVEN WAY TO STALWARTS OF THE OLD ECONOMY**

Business Week Spring, 2002; Pg 42; Number 3776A

Journal Code: BW ISSN: 0007-7135

Section Heading: The BusinessWeek 50

Word Count: 7,299 \*Full text available in Formats 5, 7 and 9\*

TEXT:

...Care

Sales: \$32.3 billion

Net Income: \$7.8 billion

Pfizer has been on a **tear**, thanks in no small measure to the 2000 acquisition of Warner-Lambert. By landing Warner...million

The Union (N.J.) chain of 396 stores in 44 states takes feathering your **nest** to a whole new level. Its stores, which run as big as 100,000 square feet, sell everything from **napkin holders** to armoires. What's on the shelves at your local store is largely determined by...gleaming dream machines still prized by aging baby boomers, Harley-Davidson has been on a **tear**. Seemingly defying the economic slowdown, the Milwaukee motorcycle maker last year posted a 26% rise...

... gleaming dream machines still prized by aging baby boomers, Harley-Davidson has been on a **tear**. Seemingly defying the economic slowdown, the Milwaukee motorcycle maker last year posted a 26% rise...

17/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

08923945 Supplier Number: 77400523 (USE FORMAT 7 FOR FULLTEXT)

**It's 1998 All Over Again?**

Sutherland, Don

Photo Trade News, v65, n6, p24

June, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 2801

... Slats the moment I came in the door, "take a look at what I left for you on the kitchen table."

I saw an empty **napkin holder** alongside a disheveled **stack** of **napkins**, two salt shakers, two Victoria's Secret catalogs, 18 credit-card solicitations marked, "You May Have Been Approved," and a half-eaten jelly sandwich on...

17/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

09137381 SUPPLIER NUMBER: 18898654 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Serving up incremental sales. (food-serving equipment)**

Durocher, Joseph

ID: The Voice of Foodservice Distribution, v32, n12, p71(3)

Nov 1, 1996

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2299 LINE COUNT: 00175

... at the number of patrons to be served before recommending any dispenser of this sort. For example, at a high-volume takeout station, a vertical **napkin dispenser** that holds a **stack** of 500 napkins is a lot more convenient than a countertop unit that only holds 100 napkins. The reason is simple: Your customers want their...

20/7/1 (Item 1 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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06545110 Supplier Number: 55374355 (THIS IS THE FULLTEXT)

**Dispenser Cuts Napkin Waste At Hersheypark. (Brief Article)**

Cohen, Joyce

Amusement Business, v111, n31, p13

August 2, 1999

**TEXT:**

WASHINGTON, D.C. -- sheypark is benefitting from a new way of dispensing napkins. The results are less waste.

The Counter Cop dispense, which has napkins on a roll has been in use for about a month at the sports complex, said Duncan MacGilvray, food and beverage manager. He has seen a drastic reduction in both napkin trash and napkin waste.

Counter Cop is made by Wisconsin Tissue of Menasha, Wis. It uses **perforated**, triple-fold **napkins** in a **dispenser** that encourages people to pull off one at a time instead of grabbing handfuls. They're not prevented from pulling off a whole string of napkins, but it makes for an awkward hand position.

"Usage dropped dramatically, and the whole place is cleaner," MacGilvray told AB at the Assn. Of Luxury Suite Directors conference here in mid-June. He has been using Counter Cop for just a month, after being convinced of its merits by Hersheypark Food and Beverage Director Rick Stammel, who has been using it for a few months more.

The park and arena complex together used about 11 million regular napkins a year, costing around \$60,000, according to Tim Cooper, regional sales manager for Feesers Inc. of Harrisburg, Pa., which distributes napkins to Hersheypark.

Hersheypark tested Counter Cop in its employee cafeteria last winter. Initially, some people balked at the aesthetic quality of the rolled napkins because of their resemblance to toilet paper. "The hardest thing was getting people adjusted to it," said MacGilvray.

The new napkins cost about the same as regular napkins, but now only two cases are used where seven used to be, said Stammel.

Hershey's arena and stadium now have 42 Counter Cops.

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06545110 Supplier Number: 55374355 (USE FORMAT 7 FOR FULLTEXT)  
**Dispenser Cuts Napkin Waste At Hersheypark. (Brief Article)**  
Cohen, Joyce  
Amusement Business, v111, n31, p13  
August 2, 1999  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 277

... He has seen a drastic reduction in both napkin trash and napkin waste.

Counter Cop is made by Wisconsin Tissue of Menasha, Wis. It uses **perforated**, triple-fold **napkins** in a **dispenser** that encourages people to pull off one at a time instead of grabbing handfuls. They're not prevented from pulling off a whole string of...

23/3,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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14007635 SUPPLIER NUMBER: 79826946 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Recipe for the Perfect Office Kitchen.**  
Bauroth, Nan  
OfficeSolutions, 18, 9, 42  
Oct, 2001  
ISSN: 1529-1804 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2063 LINE COUNT: 00161

... a 2 x 4 so it had a solid bottom."  
Torelli says when businesses come to him for help, he reminds them to plan for **paper towel** and plastic wrap **dispensers**, a **nest** of silverware drawers, and a lockable sink cabinet to protect cleaning materials.  
In his experience, every situation is different. "If you're going to use...

23/3,K/2 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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12612374 SUPPLIER NUMBER: 65463996 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Effects of 4 Hand-Drying Methods for Removing Bacteria From Washed Hands: A Randomized Trial. (Abstract)**  
Gustafson, Daniel R.  
JAMA, The Journal of the American Medical Association, 284, 11, 1358  
Sept 20, 2000  
DOCUMENT TYPE: Abstract ISSN: 0098-7484 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 219 LINE COUNT: 00022

... contaminated with the bacterium *Micrococcus luteus* before washing with a nonantibacterial soap and after drying by 4 different methods (cloth towels accessed by a rotary **dispenser**, **paper towels** from a **stack** on the hand-washing sink, warm forced air from a mechanical hand-activated dryer, and spontaneous room air evaporation). The results were analyzed using a...

23/3,K/3 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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06488575 SUPPLIER NUMBER: 14039878 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The ADA: striving to comply. (American with Disabilities Act) (contains related articles)**  
Mumford, Steve  
Buildings, v87, n4, p46(3)  
April, 1993  
ISSN: 0007-3725 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1929 LINE COUNT: 00155

... parking spaces  
\* Installing accessible door hardware  
\* Eliminating a turnstile or providing an alternative accessible path  
\* Widening doors  
\* Rearranging toilet partitions to increase maneuvering space  
\* Repositioning **paper towel dispensers** in bathroom  
\* Adding raised marking on elevator control buttons

\* Installing **offset** hinges to widen doorways

26/3,K/1 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2002 The Dialog Corp. All rts. reserv.

17959846 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**OPINION: Sharing Personal Problems at Work Can Help Team Bond**  
Candace Goforth  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (AKRON BEACON JOURNAL - OHIO)  
July 24, 2001  
JOURNAL CODE: KABJ LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 573

At one point or another, we've all walked into the office restroom and encountered something startling: There, next to the **paper towel dispenser**, a co-worker is dabbing **tears** and splashing cold water on puffy eyes.

I'm not sure why we're always so surprised to see our co-workers crying -- or sighing...

26/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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07554789 SUPPLIER NUMBER: 15819157 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**What makes it an award winner? (Catalog Copy)**  
Lewis, Herschell Gordon  
Catalog Age, v11, n10, p149(2)  
Oct, 1994  
ISSN: 0740-3119 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1361 LINE COUNT: 00105

... They're for sale because they'll do this for you or that for you.  
Typical of the Williams-Sonoma copy style:  
Food Wrap and **Paper Towel Dispenser**  
If you've ever tried to **tear** off a sheet of plastic wrap or aluminum foil from the box, you know how hard it can be to produce a neat, even edge...

29/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06890245 Supplier Number: 58320752 (USE FORMAT 7 FOR FULLTEXT)  
**McDonald's & Environmental Defense Fund Mark 10th Anniversary of Landmark Alliance.**  
PR Newswire, p3126  
Dec 21, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1282

... their decade of environmental partnership:  
-- Eliminated 150,000 tons of McDonald's packaging by redesigning or reducing the amount of material used to make straws, **napkins**, sandwich packaging, cups, french fry **containers** and numerous other items.  
-- Purchased more than \$3 billion worth of products made from recycled materials for use in the operation and construction of McDonald...

...1990-1991. Eliminated  
150,000 tons of packaging, including:  
1990-reduced thickness of sundae cups  
1991-reduced size of napkins by one inch  
1992-reduced **basis weight** of Happy Meal bag  
1993-reduced back flap of fry carton  
1994-reduced thickness of trash can liners  
1995-replaced hash brown cartons with bags...

29/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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05205614 SUPPLIER NUMBER: 10976459 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**50 firms capture honors. (CMM8 International Innovation Technology Recognition program for paper, film and foil converting industry) (Special Report: CMM8 Innovation)**  
Paper, Film and Foil CONVERTER, v65, n6, p70(4)  
June, 1991  
ISSN: 0031-1138 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 3866 LINE COUNT: 00316

... in plastic-film applications. The redesigned sensor is part of a family of sensors that incorporates shielded, low-level nuclear radiation to measure web thickness, **basis weight** and density. The sensor uses a new approach to compensate for pass-line sensitivity. A second sensor within the head continuously measures the web's...

...reports this information to the unit's console at 100 times/sec. The console then compares the pass-line to the known dependence, compensates the **basis - weight** calculation and displays it.

\* Black Clawson, Fulton, NY, in the Converting Machinery or Accessory category for its robotic winder for extrusion coating and cast-film... Machinery or Accessory category for its Larga napkin folder for high-speed printing and embossing of quarterfold napkins. The folder features four- to eight-lane **delivery** of quarterfold **napkins** at speeds to 5,000 napkins/min. The machine uses one full-width parent roll and is capable of on-the-fly, napkin-count change...

35/3,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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11765019 SUPPLIER NUMBER: 57564525 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Trade Names, Patterns, Shapes & Cuttings.**  
Gifts & Decorative Accessories, 211  
Sept 15, 1998  
ISSN: 0016-9889 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 11744 LINE COUNT: 04668

Modular Tomlinson Inds  
Dispensing **equipment** (cups, napkins, **straws** ,  
lids & condiments)

Steel Imagery Metal Man  
Decorative accessories, statues, candleholders,  
**napkin holders** , papertowel **holders** , bookends,  
decorative hooks & brackets

35/3,K/2 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

06208261 SUPPLIER NUMBER: 13632962 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Packaging equipment and uses. (food containers)**  
Food Trade Review, v62, n8, p443(6)  
August, 1992  
ISSN: 0015-6671 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 4036 LINE COUNT: 00312

... freezing process. When required by the consumer, the product is removed from its eye-catching outer carton and, while still frozen, the styrene forming is **torn** along predetermined segment lines prior to careful peeling it from the layer of mousse.

Compact Hot Foil Printer  
A high speed hot-foil printer, designed...

...where volumes do not justify automatic application.

These preformed sleeves, used for tamper-evidence, are available in either printed or unprinted form with options for **tear** -tape or vertical **perforation** .

InkSource Food Grade Ink

Videojet Systems International are now supplying InkSource food grade ink. This non toxic ink is suitable for use by manufacturers and...

...16 and meeting Group 2 and 3 performance criteria, these foldable IBCs are suitable for the transportation of many food materials or products.

The Uni- **Fold** collapsible 1000 litre container incorporates a hinged **folding** system for fast erection and **fold** -down. An integral pallet base, shaped for optimal drainage, allows the empty inner flexible liner to remain in place when the unit is **folded** . The disposable shaped inner liner is manufactured from linear low density polyethylene, whilst the outer frame is made from square hollow stainless steel sections with steel insert panels available in a choice of colours.

Each Uni- **Fold** IBC **folds** and locks to a third ...is a blend of vitamins, fruit juices and Eastern herbs. This oriental mix was to form the basis of the label design which depicts a **torn** parchment of rice paper tied to the bottle with raffia.

The fine background print texture was achieved out of a 4-colour

process set, using...and packaging performance of unbleached wood fibres with a smooth coated surface for quality colour reproduction.

Waddington's print Ski yogurt sleeves in 5-colour **offset** litho plus an emulsion varnish to give them good point-of-sale appeal.

CNK's high strength to weight ratio allows the use of 315gsm...has been made, a preset microwave heating cycle that is predetermined by the meal selected is initiated. Such a system ensures that each meal is **dispensed**, complete with fork and **napkin**, at the correct temperature, in around 50 seconds.

The speed of heating is enhanced by the use of non foil lidding developed in conjunction with...

35/3,K/3 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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04572723 SUPPLIER NUMBER: 08893353 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Not just paper and plastic anymore. (disposable food service products)**  
(column)  
Patterson, Patt  
Institutional Distribution, v26, n4, p134(6)  
April, 1990  
DOCUMENT TYPE: column ISSN: 0020-3572 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 3171 LINE COUNT: 00249

... in the thickness of the paper used. Be sure you know what you're bidding against.

Paper-portion cups are available in two styles. Both **nest**. One has a thinwall, pleated construction. This type may be available in waxed, unwaxed, plastic coated, or foil laminated. Although sizes vary, pleated portion cups...

...flexible. The sizes and shapes are similar to those of paper portion cups.

Larger containers are used primarily for takeout. There are several major types. **Nesting** containers are shaped like oversized squat paper cups with two-piece construction. Non- **nesting** types are generally heavier with two-piece construction and cylindrical shape. Plastic foam one-piece **nesting** containers and molded, transparent plastic **nesting** containers are also available. Least expensive are self-closing **folded** rectangular paper containers.

Round- **nesting** paper containers are basically oversized paper cups. Available plain or with waxed coating for cold foods and plastic-coated for hot foods, they're available...

...ribs, and for use by operations that must transport food to off-premise catering sites. Motels often use tubs as room ice buckets.

Two-part **nesting** containers are available unprinted plain, printed with stock designs, or--for large orders--custom printed for the operator.

Molded plastic containers are available as rigid wall transparent **nesting**, rigid wall opaque **nesting**, and translucent flexible wall **nesting**. The latter is generally available in sizes from three ounces to one quart. The rigid wall varieties are available from three ounces to about one...

...make sure the products chosen are suitable for microwave.

Self-closing rectangular containers are used primarily for Chinese food and deli salads or cold foods. **Nesting**, they are usually resistant to moisture. Coated types are also leakproof, so they can be used to hold liquids such as soup. Coating also prevents ...more than plain, unprinted cups. It also makes custom printing practical for large-volume users.

Watch for different weights of paper used in two-piece **nesting** cups. Some manufacturers have three or more weights. The lightest are the least expensive, but light cups don't have resistance to abusive handling.

Hot cups come in three different shapes. Paper hot cups are available in a two-piece, **nesting** flat-bottomed style and in a cone-shape designed to fit plastic holders. The flat-bottomed style is available with or without handles which unfold...

...a longer period without allowing the paper to get soggy. They're available in both paper and plastic.

Paper cold beverage cups are two-piece, **nesting** flat-bottomed or cone-shaped to be used in holders. Two-piece cups come in six-to-32-ounce capacity. The larger sizes are available in tall or semi-squat shapes.

Plastic cold beverage cups are available in a molded, flat-bottomed **nesting** style. The size range is the same as for paper cups. The material is generally a translucent or opaque semi-rigid plastic. Some manufacturers offer...

...for mixed drinks, wine, champagne, and beer to tumblers.

A growing area of takeout disposables is the sandwich box. This can either be a paperboard, **folded** design or can be a plastic foam "clamshell" style. The foam clamshell has gained popularity for hamburgers and other hot sandwiches because it not only...foam laminates. Sizes run from as small as 8 x 10 inches to larger than 12 x 15 inches in both paper and plastic.

Paper **napkins** come in **dispenser folds** or "linen" **folds**. They range from coarse, single-ply to soft, facial-quality multiply tissue. And they're available in plain white, color, or with stock or custom imprints.

There's a wide variety of sizes and **folds** for **dispensers**. **Dispenser napkins** usually are single-ply, although one manufacturer makes a multiply **dispenser napkin** that requires a special **dispenser**. Be sure that the **napkin** you're selling fits the customer's **dispenser** properly.

Multiply **napkins** are the most expensive. They're also the most like cloth in weight and feel. Two plies and three plies are the most common, although...

...the napkin. This is dependent upon the weight of the tissue used to make each ply. Some three-ply napkins are thinner and more easily **torn** than a two-ply napkin. Don't just sell plies. Find out what you're bidding against. Then sell appearance, especially whiteness, as well as...

35/3,K/4 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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04512511 SUPPLIER NUMBER: 08308225 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Guide to buying office products. (Inc. 1990 Directory of Office Products)**  
(buyers guide)  
Inc., v12, n2, p5S(66)  
Feb, 1990  
DOCUMENT TYPE: buyers guide ISSN: 0162-8968 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 99961 LINE COUNT: 08642

...Verbatim Corp. Wordsworth Magnetics Int'l.

Dispensers, Label  
Avery Commercial Products Div. Data-Link Corp. Datatech Enterprises  
Inc. De Leone Corp., The Master Addresser Co.

**Dispensers , Napkin**  
Continental Mfg. Co. Kalmar Designs Inc. Rubbermaid Office Products

Scotland Rack Ltd.

Dispensers, Paper Clip

A & W Products Co., Inc. Abel Products Alexander Mfg. Co...Office  
Environments Convoy Inc. Esselte Pendaflex Corp. Gussco Mfg. Inc. James  
Systems Inc. Magnetic Aids Inc. Office Specialty Southern Folders & Index  
Co.

**35/3,K/5 (Item 5 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

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03328812 SUPPLIER NUMBER: 06245447 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Housewares and appliances. (1988 Buyers' Guide) (buyers guide)**

Chilton's Hardware Age, v224, n12, p60(15)

Dec, 1987

DOCUMENT TYPE: buyers guide

ISSN: 8755-254X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 24857 LINE COUNT: 02007

**35/3,K/6 (Item 6 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

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02483163 SUPPLIER NUMBER: 03881597 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Single service tabletop ware; the range of single service items is so great that operators can serve an entire seven-course meal using only paper and plastic.**

Institutional Distribution, v21, p158(6)

Aug, 1985

ISSN: 0020-3572

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3418 LINE COUNT: 00261

... Water cups are untreated cups designed to hold water for a short period. The original cone-shaped paper cup is still available, as is the **folded** cup (a cone shape with the pointed end **folded** up.) Pleated cups have a flat base and may be put down without spilling. Water cups generally are available from two to six ounces in...may be one-piece, pleated construction, similar to water cups, or may be a two-piece construction similar to a cold drink cup. Both are **nesting**. Pleated cups come in untreated, waxed, foil laminated and plastic coated styles. They are available in squat and regular shapes from 1/2-ounce capacity...

...of two are also available for oriental operators.

Paper Napkins

There is a wide variety of paper napkins for tabletop use. From the least expensive **dispenser napkin** to an absorbent, multiple ply "facial tissue" quality **folded** napkin, there is a staggering range of sizes, **folds**, weights, textures, colors and embossing.

From the operator's standpoint, the common measurements of grade are the number of plies in the napkin. Price within each ply category is then dependent upon size.

Most **dispenser napkins** are single ply, although some multiple ply dispenser types have been developed in the last few years. Multiple ply **napkins** generally require special **dispensers**. All manufacturers make **napkins** to fit four standard **dispenser** types, but many of them sell special dispensers which will fit only their proprietary sizes and **folds**. Be sure you know just what type of dispenser your customer uses and whether a standard napkin will fit.

Single ply napkins are also available in cocktail, luncheon and dinner sizes and **folds**. Single ply napkins are usually embossed with an

over-all pattern to give a textured surface and feel. The texture may range from quite "paper-like" and rough to soft and almost facial tissue smoothness.

Dispenser **folds** vary widely, depending upon the size of the **napkin** and the type of **dispenser**. Cocktail **napkins** are **folded** in quarters (quarterfold), while luncheon and dinner napkins are available in quarterfold, sixthfold and eighthfold.

The most common multiple ply napkins are two-ply and...

...together when the napkin is unfolded and used. The thickness (weight) of the plies may vary widely, giving one three-ply napkin a thin, easily **torn** feel and another a thick, strong impression. Be sure you know what you are bidding against.

The top of a napkin line is usually the...are generally available white and unprinted.

#### Table Covers

Table covers are available in paper and plastic and in a paper/plastic laminate, in both individual **folded** and roll packs. Individual covers are available in sizes to cover rectangular, square or round tables. Rolls are generally available in 40, 46, or 54...

...cover long, rectangular banquet tables.

Paper covers look, feel and drape like cloth, are lint free and sanitary, absorb spills, are opaque, and will not **tear** under normal use. White is the most popular color, with pastel and deep tone colors, such as red, blue and gold, popular with many operators...

...gingham designs in red and blue on white. Paper/plastic laminates are available in white and solid colors. Plastic covers are the most resistant to **tearing** and damage, but they are not absorbent. Laminated paper and plastic table covers provide both the absorbency and feel of paper combined with the strength...

35/3,K/7 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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02479366 SUPPLIER NUMBER: 03920290 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Single service tabletop. (Supplies & Equipment Product Savvy)

Institutional Distribution, v21, p30(4)

Sept 1, 1985

ISSN: 0020-3572 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 2724 LINE COUNT: 00208

... Water cups are untreated cups designed to hold water for a short period. The original cone-shaped paper cup is still available, as is the **folded** cup (a cone shape with the pointed end **folded** up.) Pleated cups have a flat base and may be put down without spilling. Water cups generally are available from two to six ounces in...may be one-piece, pleated construction, similar to water cups, or may be a two-piece construction similar to a cold drink cup. Both are **nesting**. Pleated cups come in untreated, waxed, foil laminated and plastic coated styles. They are available in squat and regular shapes from 1/2-ounce capacity...

...of two are also available for oriental operators.

#### Paper Napkins

There is a wide variety of paper napkins for tabletop use. From the least expensive **dispenser napkin** to an absorbent, multiple ply "facial tissue" quality **folded** napkin, there is a range of sizes, **folds**, weights, textures, colors and embossing and there is custom imprinting for most types.

From the operator's standpoint, the common measurements of grade are

the number of plies in the napkin. Price within each ply category is then dependent upon size.

Most **dispenser napkins** are single ply, although some multiple ply dispenser types have been developed in the last few years. Multiple ply **napkins** generally require special **dispensers**. All manufacturers make **napkins** to fit four standard **dispenser** types, but many of them sell special dispensers which will fit only their proprietary sizes and **folds**. Be sure you know just what type of dispenser your customer uses and whether a standard napkin will fit.

Single ply napkins are also available in cocktail, luncheon and dinner sizes and **folds**. Single ply napkins are usually embossed with an over-all pattern to give a textured surface and feel. The texture may range from quite "paper-like" and rough to soft and almost facial tissue smoothness.

Dispenser **folds** vary widely, depending upon the size of the **napkin** and the type of **dispenser**. Cocktail **napkins** are **folded** in quarters (quarterfold), while luncheon and dinner napkins are available in quarterfold, sixthfold and eighthfold.

The most common multiple ply napkins are two-ply and...

...together when the napkin is unfolded and used. The thickness (weight) of the plies may vary widely, giving one three-ply napkin a thin, easily **torn** feel and another a thick, strong impression. Be sure you know what you are bidding against.

The top of a napkin line is usually the...

35/3,K/8 (Item 8 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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01896586 SUPPLIER NUMBER: 02923193 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Single-service table top products.**

Institutional Distribution, p34(5)

Sept 15, 1983

ISSN: 0020-3572 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 4242 LINE COUNT: 00321

... uncoated, or have a light wax coating. There are four styles marketed today: cone shaped, wedge shaped--which is like a cone with the end **folded** over-pleated, and two-piece with a construction similar to a hot cup. Cold water cups are generally available in sizes from 2 to 5 beverages hot and also keeps them from burning the customer's hands. Foam cups are formed with flat bottoms and tapered sides for **nesting**, in sizes from 3.6 ounces to 16 ounces.

Where appearance is important, polystyrene tumblers have the look and feel of crystal. Available in eight...

...the reusable holders may be a major problem for the operator.

Plastic cold cups are generally available in a tumbler-styled shape, flat-bottomed and **nesting**, in sizes from 6 ounces to 32 ounces. They are generally made of a semi-rigid translucent or opaque plastic in a variety of colors...

...glass. They are rigid, and are intended for cold beverages and water. There is a variety of shapes and sizes available. Tumblers are tapered and **nesting** and come in capacities of from 6 ounces to 16 ounces. Alcoholic beverage glasses come in the full range of shapes and sizes required. There ...

...in both paper and plastic. Paper portion cups may be either pleated one-piece construction, or in two-piece, flat, recessed bottom style.

Both are **nesting**. Pleated portion cups come in squat and regular

shapes in .5-ounce to 3-ounce capacities, in unwaxed, waxed, foil laminated or plastic-coated. The...

...Plastic portion cups are one piece with tapered sides. They are available in either clear, rigid plastic or in translucent, semi-rigid material. Both types **nest**. Plastic portion cups are available in the same sizes as paper, from .5-ounce to 3 ounces, but larger styles are available in some lines...

...with fast food operations.

They permit the serving of fountain items in completely disposable containers. Sundae cups are a waxed, two-piece recessed flat bottom **nesting** container with medium walls. A shallow walled style is also produced by some manufacturers; it may be called an ice cream dish. Both the paper...

...them in a color-tinted style.

For customers that want to upgrade in single-service dinnerware, polystyrene approximates the appearance of china, features additional strength, **stacks** lower, separates more easily, and stands up to a steak knife. It is available as plates, platters and bowls. Translucent lids are available. Carrying Trays...fast food shops, sandwich and snack bars. They may be either facial quality in the multiple-ply or tissue quality in the single ply types. **Dispenser Napkins**

The greatest volume is in **dispenser napkins**, used in cafeterias, lunch counters, drive-ins, snack bars, industrial and institutional foodservice, ice cream shops--everywhere a fast, one-at-a-time napkin service is needed. The size is generally related to the **fold** and the **dispenser** designed to hold the **napkin**. There are four basic **folds** and shapes, but be sure that the napkins you sell will fit the operator's dispensers. There are many "proprietary" dispensers which will fit only...

...are the most common, there are some lines which provide a selection of colors and custom imprints may be provided. Some makers provide multiple-ply **napkins** of higher quality for **dispenser napkins**, but they often require special **dispensers**. Beverage **Napkins**

The cocktail **napkin** is used by almost all cocktail lounges, bars and foodservice operations where drinks are served. And a big user is the caterer who supplies drink...Today's table covers look, feel and drape like cloth, are lint free and sanitary, absorb spills, have opacity and are strong enough not to **tear** under normal use.

They are available in both individual sized covers and banquet rolls. The rolls are generally made in 40-inch, 46-inch or...

38/3,K/1 (Item 1 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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2224372 94499987

**Mr. Ted's days - and nights - are over**

Morris, Natalie

State Journal Register p1

Dec 6, 2001

WORD COUNT: 680

DATLINE: Springfield Illinois

TEXT:

ON WEB SITE

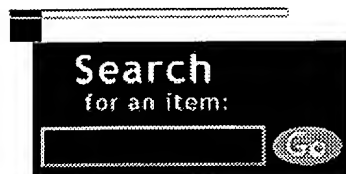
The menus have been stripped from Mr. Ted's Cafe, as were the salt and pepper shakers, **napkin dispensers** and cook's aprons - all lost to memento-hungry customers over the past month preparing for the close of the late-night diner.



10 Leland Drive - P.O. Box 2148  
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Gives you a perfect solution to napkin overuse. You get one-at-a-time dispensing, easy loading, high capacity, and reduced consumption.

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